PRODUCT APPENDIX 1
SOFTWARE AND SUPPORT SUBSCRIPTIONS

产品附录 1
软件和支持订阅

This Product Appendix (including the attached Exhibits) governs your use of Software Subscriptions and Support Subscriptions including those offered or deployed on public clouds and is subject to the Red Hat Enterprise Agreement General Terms available at http://www.redhat.com/agreements or, as applicable, another base agreement between you and Red Hat. Capitalized terms without definitions in this Product Appendix, have the meaning defined in the base agreement. In the event of a conflict between this Product Appendix and an Exhibit to this Product Appendix, the terms of the Exhibit control.

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This Product Appendix does not apply to online service offerings managed by Red Hat or generally available open source projects such as www.wildfly.org, www.fedoraproject.org, www.openstack.redhat.com, www.centos.org, okd.io, stackrox.io, github.com/ansible/awx or other community projects unless you use the Services hereunder with such open source projects.

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1. Software Subscription Terms.

1.1 Unit Definitions. Fees for Software Subscriptions are determined by counting the Units and metrics associated with the applicable Red Hat Product. Table 1.1 below defines the various Units that are used to measure your use of Subscription Services. The specific Units that apply to a Subscription are contained in the Order Form(s) applicable to your purchases and in the Exhibit(s).

1. 软件订阅条款。

1.1 订阅单位定义。软件订阅费用通过计算与适用的红帽产品相关的单位和计量标准确定。下表 1.1 定义了用于计量贵方使用的订阅服务的数量的各种单位。在贵方购买行为所适用的订单中以及在附件中包含了订阅所适用的具体单位。

Table 1.1

Unit	Unit Definitions
AI Accelerator	an acceleration processing unit (e.g. GPU or NPU) or board as set forth at https://access.redhat.com/support/policy/updates/rhaiaccelerator that contains or executes all or a portion of the Software.
Certificate	a file that identifies the holder and enables the secure exchange of information that is generated or managed by the Software.
Cluster	a group of connected computing resources or devices intended to work together.
Core	a physical processing core located in a CPU or a virtual processing core within a virtual machine or supporting a container, in each case, that contains or executes the Software.
Core Band	a group of processing Cores (e.g. 2, 4, 16 or 64).
CPU	a processing unit in a computer system.
Customer User	your and your Affiliates' third party end users with access to the Software.
Deployment	means an installation of a single instance of the Software or a single Quay Enterprise registry using a single shared data store.
Employee User	your and your Affiliates' employee users acting on your behalf (including your independent contractors and those of your Affiliates) who are able to access the Software.
Full Time Equivalent or FTE	the sum of (a) the total number of full time faculty plus one third of the part time faculty and (b) the total number of full time staff plus one half of the part time staff.
Gateway	a deployment of any gateway (including, but not limited to translation, routing, security or connectivity gateway).
Gateway Requests	the total number of interactions (including but not limited to programmatic calls, requests or other interactions) with a Gateway over a given period of time.
GB of RAM	a gigabyte of processing memory that contains or executes the Software.
GPU	a graphical processing unit that contains or executes all or a portion of the Software.

Peripheral Board	an acceleration or expansion board with a processing unit which contains or executes all or a portion of the Software.
Managed Node	each and every Node managed (directly or indirectly) by the Software or Online Service. **"Node"** means a Virtual Node, Physical Node, device or other instance of software.
Module	use of the Software to manage one System, Virtual Node or Physical Node.
Physical Node	a physical system which contains or executes all or a portion of the Software including, without limitation, a server, work station, laptop, blade or other physical system, as applicable.
Power IFL (Integrated Facility for Linux) including PowerVM	a processor core on an IBM Power system that is activated and contains or executes all or a portion of the Software.
Socket	a socket occupied by a CPU.
Socket-pair	up to two Sockets.
Storage Band	an amount of Storage (measured in terabytes "**TB**" and/or petabytes "**PB**"), where "**Storage**" is the total (absolute) capacity of storage available to each instance of the Software.
System	a system which contains or executes all or a portion of the Software including, without limitation, a server, work station, laptop, virtual machine, container, blade, node, partition, appliance or engine, as applicable.
System on a Chip or SOC(s)	a single integrated circuit that includes the major components of a computer and is generally recognized as a system on a chip.
IBM Z IFL (Integrated Facility for Linux)	a mainframe CPU that is activated and contains or executes all or a portion of the Software.
User	an individual person that accesses or uses the Software or Service.
vCPU	a CPU, in whole or in part, which is assigned to a virtual machine or container which contains or executes all or a portion of the Software.
Virtual Node or Virtual Guest	an instance of the Software executed, in whole or in part, on a virtual machine or in a container.

表 1.1

单位	单位定义
AI 加速器	包含或执行全部或部分软件的加速处理单元（例如 GPU 或 NPU）或板，请见 https://access.redhat.com/support/policy/updates/rhaiaccelerator。
证书	用于识别持有者、并实现软件生成或托管的信息的安全交换的文件。
集群	一组旨在协同工作的互联计算资源或设备。
核心	位于 CPU 中的实体处理核心，或位于虚拟机内或支持容器的虚拟处理核心，并且在这两种情况下，都包含或执行软件。
核心频带	一组处理核心（如 2、4、16 或 64）。
CPU	计算机系统的处理单元。
客户用户	有权访问软件的、贵方及贵方关联方的第三方最终用户。
部署	表示使用单个共享数据商店安装单个软件实例或单个 Quay Enterprise 注册表。
员工用户	代表贵方行事的、能够访问软件的、贵方和贵方关联方的员工用户（包括贵方和贵方关联方的独立承包商）。
全职人力工时或 FTE	下列两数之和：(a) 全职教员加上兼职教员三分之一的总数，以及 (b) 全职职员加上兼职职员一半的总数。
网关	任何网关的部署（包括但不限于转换、路由、安全或连接网关）。
网关请求	在给定时间段内与网关的交互总数（包括但不限于程序调用、请求或其他交互）。
RAM 的 GB	包含或执行软件之处理内存的千兆字节。
GPU	包含或执行全部或部分软件的图形处理单元。
外围板	带有处理单元的加速板或扩展板，其中包含或执行全部或部分软件。
受管节点	软件或在线服务（直接或间接）管理的各个或每个节点。**"节点"**指虚拟节点、物理节点、设备或其他软件实例。
模块	使用软件来管理一个系统、虚拟节点或物理节点。
物理节点	包含或执行全部或部分软件的物理系统，包括但不限于服务器、工作站、笔记本电脑、刀片或其他物理系统（视具体情况而定）。
Power IFL（Linux 集成设施），包括 PowerVM	被激活并包含或执行全部或部分软件的、IBM Power 系统上的处理器核心。
插槽	被 CPU 占用的插槽。
插槽对	最多两个插槽。
储存频带	储存量（以万亿字节**"TB"**和/或千万亿字节**"PB"**为单位），其中**"储存"**指每个软件实例可用的总（绝对）储存容量。

系统	包含或执行全部或部分软件的系统，包括但不限于服务器、工作站、笔记本电脑、虚拟机器、容器、刀片、节点、分区、设备或引擎（视具体情况而定）。
单片系统或 SOC	单个集成电路，包括电脑的主要组成部分，通常被认为是一块芯片上的系统。
IBM Z IFL（Linux 集成设施）	被激活并包含或执行全部或部分软件的大型机 CPU。
用户	访问或使用软件或服务的个人。
vCPU	CPU 的全部或一部分，其被分配给包含或执行全部或部分软件的虚拟机器或容器。
虚拟节点或虚拟客户机	全部或部分在虚拟机上或在容器中执行的软件实例。

1.2 Use of Subscription Services.

(a)(i) **Basis of the Fees.** While you have a Subscription entitling you to receive Subscription Services for a Red Hat Product, you are required to purchase the applicable Subscriptions in a quantity equal to the total number and capacity of Units for that Subscription from the commencement of your use or deployment of such Subscription or a part thereof. For purposes of counting Units, Units include non-Red Hat products if you are using Subscription Services to support or maintain such non-Red Hat products. The fees are for Subscription Services; there are no fees associated with the Red Hat Software licenses. An instance of a Red Hat Universal Base Image by itself (e.g., not combined or used with Red Hat Subscriptions) is not considered a Unit unless such instance receives or uses Subscription Services.

(a)(ii) **CPUs, Cores, Sockets and AI Accelerators.** For Units, and the capacities associated with Units, that are based on processors running the Software (such as Physical Nodes, Virtual Nodes, CPU, Cores, and AI Accelerators), you are required to purchase Subscriptions that match the type of processor running such Software. For example, if you are running OpenShift AI on an AI Accelerator, you are required to purchase an equivalent number of AI Accelerator based Subscriptions. Subscriptions that do not specify a processor type are based on x86 processors.

(b) **Supported Use Cases.** Subscription Services are only provided when the Software is used for Supported Use Cases as described in this Section 1.2 and the Exhibits to this Product Appendix. The Supported Use Cases also determine the type of Subscription that is required. Software Subscriptions are supported on x86 and ARM architectures, unless a different architecture is specified in which case only the specified architecture is supported. If your use of any aspect of the Subscription Services is contrary to or conflicts with a Supported Use Case, you are responsible for purchasing the appropriate Subscriptions to cover such usage. For example, if you are using a Red Hat Enterprise Linux Desktop Subscription on a System that is a server, you are obligated to purchase a Red Hat Enterprise Linux Server Subscription.

1.2 使用订阅服务。

(a)(i) **费用依据。**虽然贵方的订阅使贵方有权接收红帽产品的订阅服务，但自贵方开始使用或部署该订阅或其部分起，贵方须购买数量等于该订阅之单位总数量和容量的相关订阅。就单位的计算而言，单位包括非红帽产品（如果贵方使用订阅服务来支持或维护该等非红帽产品）。费用为订阅服务费；没有与红帽软件许可证相关的费用。红帽通用基本镜像的实例本身不被视为单位，除非该实例接收或使用订阅服务或与我们合并或与红帽订阅一起使用。

(a)(ii) **CPU、核心、插槽和 AI 加速器。**对于基于运行软件的处理器（如物理节点、虚拟节点、CPU、核心和 AI 加速器）的单元以及与单元相关的容量，贵方需要购买与运行该软件的处理器类型相匹配的订阅。例如，如果贵方在 AI 加速器上运行 OpenShift AI，则需要购买同等数量的基于 AI 加速器的订阅。未指定处理器类型的订阅基于 x86 处理器。

(b) **有支持服务的用例。**仅当软件用于本第 1.2 节和本产品附录的附件所述的有支持服务的用例时，才会提供订阅服务。有支持服务的用例也决定了所需的订阅类型。软件订阅可用于 x86 和 ARM 架构，但如果指定了不同的架构，则仅支持指定的架构。如果贵方对订阅服务任何方面的使用与有支持服务的用例相悖或相冲突，则贵方有责任购买相应的订阅以覆盖该等使用。例如，如果贵方在作为服务器的系统上使用 Red Hat Enterprise Linux Desktop 订阅，则贵方须购买 Red Hat Enterprise Linux Server 订阅。

Table 1.2(b): Supported Use Cases

Use Case Name	Supported Use Case	Hardware Capacity Limitations and Examples
Bare Metal Node	Supported when installed and running on physical hardware utilizing x86 or ARM architectures.	As set forth in the product description and the applicable terms in Exhibit 1.B.
Edge Server	Supported only for server class hardware used for distributed computing, excluding deployments in a centralized data center, purpose built hosting facility or public cloud.	Physical and virtual server class instances, typically connected to data sources from Edge Devices and optionally connected to cloud and centralized data center resources. Server class hardware and systems with up to two (2) physical sockets

Edge Device (formerly known as Edge Gateway or Edge Endpoint)	Supported only for distributed computing and data collection on devices close to the data source on Bare Metal Nodes (single Socket up to 32 Cores) or Virtual Nodes (up to 32 vCPUs).	Devices include hardware with single socket x86 or ARM processors with up to 32 Cores, system on a chip ("SoC") or system on a module ("SoM"). Examples include Intel NUCs with mobile or desktop class processors, and ruggedized edge computing hardware.
Edge Network	Supported only on distributed networking hardware that provides the connectivity or traffic management to and within remote locations.	Devices include switches, routers, firewalls and load balancers.
Edge Network Device	Supported only on small-factor network components that extend connectivity and are managed either locally or remotely by a controller.	Devices include wireless access points and small routers (DSL and cable modems).
Disaster Recovery	Supported only on Systems or Physical Nodes used intermittently for disaster recovery purposes such as systems receiving periodic backups of data from production servers, provided those disaster recovery systems have the same Service Levels (as set forth in the Subscription Appendix, Section 2.4(d)) and configurations (e.g. Socket-pairs, Virtual Guests, Cores). The Disaster Recovery Use Case does not include the execution of active workloads.	As set forth in the product description.
Backup and Archival	Supported only for Software used for backup or archival purposes.	Off-line storage devices.
Developer Support for Teams	Solely to support the Software contained in the Red Hat Developer Support for Teams Subscription for Development Use.	Not applicable.
Migration	Supported for temporary scenarios where Client is (a) transitioning from an unsupported technology to a standard Red Hat Product, or (b) upgrading from one version of a Red Hat Product to a newer version or variant of a Red Hat Product.	Not applicable.
NFV Applications	Supported only for the deployment of virtualized and containerized telecommunication services or network functions that deliver consumer services, business services, mobile services, content services, telecommunication workloads and IoT services. Use cases not supported include but are not limited to nodes running general purpose IT or Enterprise applications in central or regional data center deployments, nodes running developer features/services or application development workloads, and nodes running databases, web applications, file services or third party operators.	Not applicable.
IBM Z	Supported only on the IBM Z architecture.	Not applicable.
IBM Power	Supported only on the IBM Power architecture.	Not applicable.
Add-On Subscriptions	Supported only on active Standard and Premium level base Subscriptions (e.g. Red Hat Enterprise Linux Server and Red Hat OpenShift Container Platform) and certain developer offerings.	Not applicable.
Academic	Supported only for use by qualified academic institutions for teaching and learning purposes that consist of (a) faculty, staff, or student laptops or desktops for personal and academic use, (b) computer labs available to faculty, staff, and students for general education use, (c) classroom desktops, (d) laboratories for technical and research use and/or (e) laboratories for software development use. Red Hat Enterprise Linux – Academic Edition is not supported when used for any purpose other than as described in (a) – (e) above. Qualified academic institutions must be accredited by a national accreditation agency (e.g. the United States accreditation is located at http://ope.ed.gov/accreditation/Search.aspx). **Note:** When you use Red Hat Enterprise Linux – Academic Edition for non-qualified academic purposes as described above, standard Red Hat Enterprise Linux subscription rates apply.	Minimum of one thousand (1,000) FTEs
High Performance Computing (HPC)	Supported only for high performance computing ("**HPC**") that consists of a Cluster with all of the following characteristics: (a) the Cluster is used for compute-intensive distributed tasks sent to individual compute nodes within the Cluster, (b) the Cluster works as a single entity or system on specific tasks by performing compute-intensive operations on sets of data (Systems running a database, web application, load balancing or file serving Clusters are not considered HPC nodes), (c) the number of management or head nodes does not exceed one quarter of the total number of nodes in the Cluster and (d) all compute nodes in the Cluster have the same Red Hat Enterprise Linux configuration. When Red Hat Enterprise Linux for HPC Head Nodes (an optional Software Subscription for management of compute nodes) is combined with Red Hat Enterprise Linux for HPC Compute Nodes Software Subscriptions for the compute nodes in the same Cluster, the compute node inherits	Minimum of four (4) Physical Nodes per Cluster

	the Service Level (as set forth in Section 2.3(d) of the Product Appendix) of the Head Node.	
Grid	Supported only in a compute Grid where a "**Grid**" means a Cluster with the following characteristics: (a) all the nodes in the Cluster have the same Red Hat Enterprise Linux configuration, (b) the Cluster is running a single application or is controlled by a single job scheduler, (c) the workloads are sent to the Cluster by a job scheduler, (d) the workloads are maintained in a single distributed application across the Cluster, (e) the workloads are non-interactive, and (f) the production outage of the Cluster is defined as 30% of the nodes in Cluster being unable to run the workload. This Supported Use Case does not include nodes running databases, web applications, load balancing, or file services.	Minimum of fifty (50) Socket-pairs per Cluster

表 1.2(b)：有支持服务的用例

用例名称	有支持服务的用例	硬件容量限制和示例
裸金属节点	在使用 x86 或 ARM 架构的物理硬件上安装和运行时受支持。	请见产品说明和附件 1.B 中的适用条款。
边缘服务器	仅对用于分布式计算的服务器类硬件受支持，不包括在集中式数据中心、专用托管设施或公共云中的部署。	通常从边缘设备连接到数据源，也可能连接到云和集中式数据中心资源的物理和虚拟服务器类实例。拥有不超过两 (2) 个物理插槽。
边缘设备（以前为边缘网关或边缘端点）	仅在裸金属节点（单插槽，最多 32 个核心）或虚拟节点（最多 32 个 vCPU）上受支持，用于分布式计算和在靠近数据源的设备上收集数据。	设备包括具有单插槽 x86 或 ARM 处理器（最多支持 32 个核心）、单片系统 ("SOC") 或模块化系统 ("SoM") 的硬件，示例包括拥有移动或桌面类处理器的 Intel NUC和加固型边缘计算硬件。
边缘网络	仅在分布式网络硬件上受支持，此类硬件提供至远程位置或远程位置内的连接或流量管理。	设备包括交换机、路由器、防火墙和负载均衡器。
边缘网络设备	仅在小型网络组件上受支持，此类组件可以扩展连接并通过控制器进行本地或远程管理。	设备包括无线接入点和小型路由器（DSL 和电缆调制解调器）。
灾难恢复	仅在间歇用于灾难恢复目的的系统或物理节点上获得支持，例如从生产服务器接收定期数据备份的系统，前提是该等灾难恢复系统具有相同的服务级别（见订阅附录第 2.4(d) 节）和配置（例如插槽对、虚拟客户机、核心）。灾难恢复用例不包括执行活动工作负载。	请见产品说明。
备份和存档	仅支持用于备份和存档目的的软件。	离线存储设备。
面向团队的开发人员支持	仅支持用于开发用途的"面向团队的红帽开发人员支持"订阅中包含的软件。	不适用。
迁移	支持客户(a)从不受支持的技术迁移到标准红帽产品，或(b)从红帽产品的一个版本升级到红帽产品的新版本的临时场景。	不适用
NFV 应用程序	仅支持部署虚拟化和容器化电信网络通信服务或网络功能，这些功能可提供消费者服务、业务服务、移动服务，内容服务、电信工作负载和物联网服务。无支持服务的用例包括但不限于在中央或区域数据中心部署中运行通用 IT 或 Enterprise 应用程序的节点，运行开发人员功能/服务或应用程序开发工作负载的节点，以及运行数据库、Web 应用程序、文件服务或第三方运营商的节点。	不适用。
IBM Z	仅在 IBM Z 架构上受支持。	不适用。
IBM Power	仅在 IBM Power 架构上受支持。	不适用。
附加订阅	仅在有效的标准级和高级基础订阅（例如 Red Hat Enterprise Linux Server 和 Red Hat OpenShift Container Platform）和某些开发人员产品上受支持。	不适用。
学术	仅在合格的学术机构用于教学目的时获得支持，包括 (a) 教员、职员或学生用于个人和学术用途的笔记本电脑或台式机；(b) 可供教员、职员和学生用作一般教育用途的机房；(c) 教室中的台式机；(d) 用于技术和研究用途的实验室；和/或 (e) 用于软件开发用途的实验室。Red Hat Enterprise Linux – Academic Edition 用于上述 (a)-(e) 以外的任何用途时不受支持。合格的学术机构必须获得国家认证机构的认证（例如，美国认证见http://ope.ed.gov/accreditation/Search.aspx）。 **注意**：如果贵方将 Red Hat Enterprise Linux - Academic Edition 用于上述非合格的学术目的，则适用标准的 Red Hat Enterprise Linux 订阅费率。	至少有一千 (1,000) FTE

高性能计算 (HPC)	仅就由具有以下所有特征的集群组成的高性能计算 (**HPC**) 获得支持：(a) 集群用于发送到集群内个别计算节点的计算密集型分派任务；(b) 通过在数据集上执行计算密集型操作，集群在特定任务上作为单个实体或系统工作（运行数据库、Web 应用、负载平衡或文件服务集群的系统不被视为 HPC 节点）；(c) 管理或头节点的数量不超过集群中节点总数的四分之一；(d) 集群中的所有计算节点具有相同的 Red Hat Enterprise Linux 配置。当 Red Hat Enterprise Linux for HPC Head Nodes（用于管理计算节点的可选软件订阅）与同一集群中计算节点的 Red Hat Enterprise Linux for HPC Compute Nodes 软件订阅相结合时，计算节点将继承头节点的服务级别（见产品附录第 2.3(d) 节）。	每个集群最少四 (4) 个物理节点
网格	仅在计算网格中获得支持，其中“**网格**”指具有以下特征的集群：(a) 集群中的所有节点都具有相同的 Red Hat Enterprise Linux 配置；(b) 集群运行单个应用或由单个作业调度程序控制；(c) 工作负载通过作业调度程序发送到集群；(d) 工作负载在集群中维持在单一分布的应用；(e) 工作负载是非交互式的；并且 (f) 集群的生产中断被定义为集群中 30% 的节点不能运行工作负载。此类有支持服务的用例不包括运行数据库、Web 应用、负载平衡或文件服务的节点。	每个集群最少五十 (50) 个插槽对

(c) **Development and Production Uses.** This Section describes four types of activities (Demonstration Activities; Individual Coding and Testing Activities; Multi-User Development, Test and Integration Activities; and Deployment Activities). Those terms are defined in the Definitions section below and each is categorized as either a Development Use or a Production Use, based on the Red Hat Product to which the activities are associated. "**Development Use**" means the activities set forth in Table 1.2(c) identified as development use; and also includes creating software that functions as an extension to or an integration with a Red Hat Product (e.g. OpenShift operator or Ansible integrations). "**Production Use**" means those activities identified as Production Use in the Table below and any use other than for Development Use. Development Use and Production Use are used in numerous Use Cases in the attached Exhibits to describe the type of Subscription Services available. Notwithstanding anything to the contrary, Development Use and Production Use both exclude Unauthorized Subscription Services Uses (defined in Section 1.2(g) below.

(c) **开发和生产使用。**本节描述了四种活动（演示活动；个人编码和测试活动；多用户开发、测试和集成活动；以及部署活动）。这些术语的定义请见以下的“定义”部分，各活动会根据与其关联的红帽产品而被分类为开发用途或生产用途。“**开发用途**”是指表 1.2(c) 中所述的被确定为开发用途的活动；另外还包括作为红帽产品扩展或集成的创建软件（如 OpenShift 运算符或 Ansible 集成）。“**生产用途**”是指被确定为下表中的生产用途的活动，以及除开发用途以外的任何其他用途。开发用途和生产用途在随附附件中的多个用例中用于描述可用的订阅服务类型。不管有何相反说明，开发用途和生产用途都不包括未经授权的订阅服务使用（在下文第 1.2(g) 节中定义）。

Table 1.2(c): Development and Production Use

Red Hat Product line	Development Use vs Production Use			
	Demonstration Activities	**Individual Coding and Testing Activities**	**Multi-User Development,-Test and Integration Activities**	**Deployment Activities**
Red Hat Enterprise Linux and associated products (Exhibit 1.A)	Development Use	Development Use	Development Use	Production Use
All other Red Hat Subscriptions (Exhibits 1.B, 1.C, and 1.D)	Development Use	Development Use	Production Use	Production Use

表 1.2(c)：开发和生产用途

红帽产品系列	开发用途与生产用途			
	演示活动	**个人编码和测试活动**	**多用户开发、测试和集成活动**	**部署活动**
Red Hat Enterprise Linux 及关联产品（附件 1.A）	开发用途	开发用途	开发用途	生产用途
所有其他红帽订阅（附件 1.B、1.C 和 1.D）	开发用途	开发用途	生产用途	生产用途

(d) **Service Levels.** You agree not to request or use higher support services levels for Software Subscriptions where you have purchased Subscriptions with lower Service Levels (as described in Section 2.4(d) below)), and agree to purchase the highest support level that you use or request. For example, if a Cluster of nodes requires the Service Level, all of the nodes in that Cluster require the highest Service Level.

(d) **服务级别。**贵方同意，如果贵方购买了具有较低服务级别的订阅，则不就软件订阅请求或使用较高的支持服务级别（如以下第 2.4(d) 节所定义），同时同意购买贵方所使用或请求的最高级支持级别。例如，如果一个节点集群需要某服务级别，则该集群中的所有节点都需要最高服务级别。

(e) **Transferring Subscriptions.** You may reallocate Subscriptions within or between entities operating under the Agreement provided you are accountable for the number and types of Units.

(e) **转移订阅。**贵方可在根据本协议运营的实体内部或之间重新分配订阅，但贵方须对单位数量和类型负责。

(f) **Scope of Use of Subscription Services.** The Agreement (including pricing) is premised on the understanding that you will access Subscription Services only for your internal use (which may include Affiliates other than any entities in Russia, Belarus or jurisdictions prohibited under United States law) and you agree not to access Subscription Services for any other purpose. Your internal use of Subscription Services may include running a web site, offering your own software as a service or integrating AI functionality into your application which is accessible by your users, provided that (i) such use does not include a distribution, sale or resale of any of the Subscription Services, (ii)the primary purpose of such use is to provide a material value added application other than the Subscription Services, (iii) the Subscription Services are supporting Software installed on hardware or cloud instances controlled by you, and (iv) all Subscription Services provided by Red Hat will be provided solely to you or third parties acting on your behalf (such as contractors, subcontractors, or outsourcing vendors) and not to your hosted customers. You agree not to provide Subscription Services to, or use them for the benefit of, a third party (such as, using Subscription Services to provide hosting services, managed services, or Internet service provider (ISP) services). Subscription Services may be used by third parties acting on your behalf, such as contractors or outsourcing vendors, provided you (i) are fully responsible for the activities and omissions of the third parties acting on your behalf and (ii) in the case of a migration to a third party cloud or hosting provider, are qualified for and comply with the terms of the Red Hat Cloud Access program as set forth in Section 3 below. As described further in Section 1.4, the limitations in this Section apply only to Red Hat's obligations to provide Subscription Services and not to your rights under free and open source software licenses.

(f) **订阅服务的使用范围。**本协议（包括定价）是基于下列理解：订阅服务将仅供贵方的内部访问（可包括关联方，位于俄罗斯、白俄罗斯或美国法律禁止的司法管辖区的任何实体除外），并且贵方同意不出于任何其他目的访问订阅服务。贵方对订阅服务的内部使用可包括运行网站，作为一种服务提供贵方自己的软件或将 AI 功能集成到贵方应用程序中以供贵方用户访问，但 (i) 该等使用不包括分发、销售或转售任何订阅服务，且 (ii) 该等使用的主要目的是提供除订阅服务以外的重要增值应用，(iii) 订阅服务支持安装在贵方控制的硬件或云实例上的软件，并且 (iv) 红帽提供的所有订阅服务将仅提供给贵方或代表贵方行事的第三方（如承包商、分包商或外包供应商），而不是贵方的托管客户。贵方同意，不向第三方提供订阅服务，或为了第三方的利益而使用订阅服务（例如，将订阅服务用于提供主机服务、受管服务或互联网服务提供商 (ISP) 服务）。订阅服务可由代表贵方行事的第三方使用，例如承包商或外包卖方，但前提是贵方 (i)对代表贵方行事的第三方的作为和不作为负有全部责任，且 (ii) 在向第三方云或主机供应商进行迁移的情况下，贵方符合并遵守下文第 3 节所述的红帽云接入计划的条款。本节中的限制仅适用于红帽提供订阅服务的义务，不适用于贵方根据自由开源软件许可享有的权利，详见第 1.4 节。

(g) **Unauthorized Use of Subscription Services.** You agree not to engage in any unauthorized use of the Subscription Services, which includes: (i) only purchasing or renewing Subscriptions based on less than the total number of Units, (ii) splitting or applying Subscription Services purchased for one Unit to two or more Units, (iii) providing Subscription Services (in whole or in part) to third parties, (iv) using Subscription Services in connection with any redistribution of Software or (v) using Subscription Services to support or maintain any non-Red Hat Software without purchasing the appropriate quantity of Subscriptions (collectively, "**Unauthorized Subscription Services Use**").

(g) **未经授权使用订阅服务。**贵方同意，不参与任何未经授权使用订阅服务的行为，其中包括 (i) 仅根据少于单位总数的数量购买或续展订阅，(ii) 将为一个单位购买的订阅服务拆分或应用于两个或多个单位，(iii) 向第三方提供（全部或部分）订阅服务，(iv) 将订阅服务用于软件的任何再次分发，或 (v) 将订阅服务用于支持或维护任何非红帽软件，而未购买相应数量的订阅（统称为"**未经授权订阅服务使用**"）。

1.3 Subscription Start Date. Unless otherwise agreed in an Order Form, Subscriptions will begin on the earlier of the date you purchase or first use the Subscription.

1.3 订阅开始日期。除非订单中另有约定，订阅将自贵方购买或首次使用订阅之日（以较早发生者为准）开始。

1.4 End User and Free and Open Source Software License Agreements. The Red Hat Software is governed by the perpetual End User and Free and Open Source License Agreements set forth at https://www.redhat.com/en/about/eulas. Subscription Services are term-based and will expire if not renewed. Nothing in this Agreement is intended to limit your rights to software code under the terms of a free and open source software license, including your rights to use, copy, modify and distribute Software in accordance with such licenses. Engaging in Unauthorized Subscription Services Use is a breach of this Agreement but does not affect your rights under the free and open source software licenses that govern the Software. Upon termination or expiration of this Agreement, you will no longer have access to future Software Maintenance and other Subscription Services,

1.4 最终用户和自由开源软件许可协议。红帽软件适用 https://www.redhat.com/en/about/eulas 规定的永久最终用户和自由开源许可协议。订阅服务是按照期限提供的，如果不续展，将会到期。本协议中无任何规定旨在限制贵方根据自由开源软件许可条款对软件代码享有的权利，包括贵方根据此等许可使用、复制、修改和分发软件的权利。未经授权使用订阅服务将会违反本协议，但不影响贵方根据适用于本软件的自由开源软件许可享有的权利。本协议终止或期满后，贵方将不能再访问未来的软件维护和其他订阅服务，但贵方将继续享有贵方在自由开源软件许可项下的所有权利。

but you will continue to have all of your rights under the free and open source software licenses.

1.5 Red Hat Subscription Bundles. Red Hat offers combinations of Subscriptions with complementary feature sets and price discounts ("**Bundle(s)**"). The basis of the fees for these Bundles is the combined use of such Subscriptions on a single Unit. When any of the Subscriptions are used independently from the Bundle, the fees for such independent usage will be Red Hat's standard fees associated with the Unit for the particular Subscription.

1.5 红帽订阅包。红帽提供带有免费功能集和价格折扣的订阅组合（"**包**"）。该等包的费用以该等订阅在单个单位上的组合使用为依据。当任何订阅独立于包使用时，该等独立使用的费用将是与特定订阅之单位相关的红帽标准费用。

1.6 Usage Related Information. The Subscription Services may collect and transmit usage information ("**Usage Data**"). Usage Data may be used for purposes of providing support and upgrades, optimizing performance or configuration, minimizing service impacts, identifying and remediating threats, troubleshooting, improving the offerings and user experience, responding to issues and for usage and billing purposes. Red Hat may use third parties to assist in the collection and processing of Usage Data. Additional details related to the types of Usage Data collected and, if available, the methods by which you may opt out of such collection are provided in the specific Red Hat Product documentation.

1.6 使用相关信息。订阅服务可能会收集和传输使用信息（"使用数据"）。这些使用数据可能用于提供支持和升级、优化性能和配置、最大限度减少服务影响、识别并补救威胁、排除故障、改进产品和用户体验、响应问题，以及进行使用和计费等目的。红帽可能会使用第三方协助收集和处理使用数据。与所收集使用数据的类型相关的附加详细信息，以及（如有）贵方可以选择退出此类收集的方法均在特定的红帽产品文档中提供。

1.7 Policy Assessment Features. Some Red Hat Products may provide features or tools to assist with the validation, remediation, and maintenance of your internal policies or third party standards. Red Hat makes no representations for compliance or certification with your internal policies or any third party standards or regulations.

1.7 政策评估功能。某些红帽产品可能提供功能或工具来协助验证、纠正和维护贵方内部政策或第三方标准。红帽对贵方内部政策或任何第三方标准或法规的合规性或认证不作任何声明。

1.8 AI Products. For AI Products you may input questions or prompts into an interface (e.g. chat interface or code editor) ("**Input**"). The Input is passed to a large language model ("**LLM**") that provides responses or suggestions ("**Output**"). The Output may require additional modifications to be useful and any such modifications are "**Modified Output**". Red Hat does not claim any intellectual property rights with respect to Input, Output, or Modified Output. Your use of Output and Modified Output is at your discretion and Red Hat makes no warranties or guarantees with respect to Output or Modified Output. You are responsible for ensuring your use of any LLM or other AI model complies with any applicable laws and regulations. Additional terms apply to the use of third party models in Section 1.8.3.

1.8 AI 产品。对于 AI 产品，贵方可以在界面（例如聊天界面或代码编辑器）中输入问题或提示（"**输入**"）。输入将传递给大型语言模型 ("**LLM**")，由该模型提供响应或建议（"**输出**"）。输出可能需要经额外修改方可有用，任何此类修改都是"**修改后的输出**"。红帽不对输入、输出或修改后的输出主张任何知识产权。贵方可自行决定使用输出和修改后的输出，红帽对输出或修改后的输出不作任何保证或担保。贵方有责任确保贵方对任何 LLM 或其他 AI 模型的使用符合任何适用法律和法规。附加条款适用于第 1.8.3 节中第三方模型的使用。

1.8.1 AI Features. Certain Red Hat Products may include optional AI-enabled features to assist you in using the Red Hat Product ("**AI Feature(s)**"). Red Hat Products with an AI Feature require the use of an LLM which may be provided by a third party. The Input may be modified or augmented by Red Hat before being sent to the LLM in order to improve the Output. The AI Features are not intended to process personal information, and you agree to not include any personal information in the Input.

1.8.1 AI 功能。某些红帽产品可能包含可选的 AI 驱动的功能，以帮助贵方使用红帽产品（"AI 功能"）。具有 AI 功能的红帽产品需要使用可能由第三方提供的 LLM。在将输入发送到 LLM 之前，红帽可能会对输入进行修改或增强，以改进输出。AI 功能不会用于处理个人信息，且贵方同意不在输入中包含任何个人信息。

1.8.2 AI Platforms. Certain Red Hat Products (such as RHEL AI) contain AI tools and models that allow you to train, fine-tune, deploy, and manage AI models on-premise or in an environment you control ("**AI Platform(s)**"). AI Platforms contain an LLM and other AI models that are governed by the applicable End User License Agreement set forth at https://www.redhat.com/en/about/eulas.

1.8.2 AI 平台。某些红帽产品（例如 RHEL AI）包含 AI 工具和模型，可让贵方在本地或贵方控制的环境（"**AI 平台**"）中训练、微调、部署和管理 AI 模型。AI 平台包含 LLM 和其他 AI 模型，这些模型受 https://www.redhat.com/en/about/eulas 规定的适用最终用户许可协议的约束。

1.8.3 Third Party Models. AI Products are designed to enable the use of third party models subject to their respective end user terms ("Third Party Models"). If you use a Third Party Model, you are responsible for procuring and complying with the applicable agreement between you and the Third Party Model provider. Red Hat may optimize the Third Party Models for use with AI Platforms, and make such Third Party Models available

1.8.3 第三方模型。AI 产品旨在根据其各自的最终用户条款使用第三方模型（"第三方模型"）。如果贵方使用第三方模型，贵方负责采购并遵守贵方与第三方模型提供商之间的适用协议。红帽可能会优化第三方模型，以供 AI 平台使用，并使此类第三方模型可直接通过 AI 平台从红帽托管的存储库下载。第三方模型不是红帽品牌模型，因此将不会提供其他支持。

for download from Red Hat hosted repositories directly from the AI Platform. Third Party Models are not Red Hat branded models and no other support will be provided.

1.9 **Third Party Offerings.** In connection with the Software Subscriptions, Red Hat may make available or you may use third party software, services, data, models or operators to enable the software or services of third parties ("**Third Party Offerings**"). Third Party Offerings are governed by the terms provided by the third parties and you agree to obtain the necessary rights to use such Third Party Offerings. Red Hat and its licensors and vendors have no obligations or liability with respect to such third party or the Third Party Offerings. Third Party Offerings are not Red HatProducts.

1.9 **第三方产品。**就软件订阅而言，红帽可能会提供或贵方可以使用第三方软件、服务、数据、模型或运营商来启用第三方软件或服务（"**第三方产品**"）。第三方产品受第三方提供的条款约束，贵方同意获得使用此类第三方产品的必要权利。红帽及其许可人和供应商对此类第三方或第三方产品概不承担任何义务或责任。第三方产品不是红帽产品。

2. Support Terms

2. 支持条款

2.1 **Previews and Evaluations.** Red Hat may offer Preview or Evaluation Subscriptions for trial or evaluation purposes and not for Production Use. Preview or Evaluation Subscriptions may be provided with limited or no support and subject to other limitations. You agree to access Preview or Evaluation Subscriptions only for trial or evaluation purposes and agree not to access these Subscriptions for any other purpose.

2.1 **预览和评估。**红帽可以为试用或评估之目的提供预览或评估订阅，而不是为了生产用途而提供。预览或评估订阅的提供可能附带有限的支持或没有支持和受到其他限制的约束。贵方同意仅出于试用或评估目的访问预览或评估订阅，并同意不会出于任何其他目的访问这些订阅。

2.2 **Developer Subscriptions.** Red Hat may offer Subscriptions for Development Use and not for Production Use as set forth in Section 1.2 above. Developer Subscriptions may be provided with limited or no Support and/or subject to other limitations. Developer Subscription(s) are intended only for Development Use and you agree not to access the Subscription Services for any other purpose.

2.2 **开发人员订阅。**红帽可提供用于开发用途而非生产用途的订阅，详见上面第 1.2 节所述。开发人员订阅的提供可能附带有限的支持或没有支持和/或受到其他限制的约束。开发人员订阅仅用于开发用途，贵方同意不出于任何其他目的访问该订阅服务。

2.2.1 **Red Hat Developer Subscription for Teams**. Red Hat Developer Subscription for Teams provides access to numerous Red Hat Enterprise Linux and Add-On Subscriptions (excluding Red Hat OpenShift Container Platform), on a self-supported basis only for Development Use and you agree not to access these Subscriptions Services for any other purpose. You may purchase Support Add-On Subscriptions for certain Subscriptions contained in the Red Hat Developer Subscription for Teams. If you provide Red Hat with personal information in the form of a list(s) to create accounts on a batch or bulk basis, you represent to Red Hat that you have the required consents of the individuals on such lists to be added to the appropriate Red Hat systems.

2.2.1 **面向团队的红帽开发人员订阅**。"面向团队的红帽开发人员订阅"提供至多种 Red Hat Enterprise Linux 和附加订阅（不包括 Red Hat OpenShift Container Platform）的接入，以自助方式且仅用于开发用途，贵方同意不出于任何其他目的访问这些订阅服务。贵方可为"面向团队的红帽开发人员订阅"中包含的某些订阅购买支持附加订阅。如果贵方以名单的形式向红帽提供个人信息以批量或大量创建帐户，贵方向红帽生命，贵方已获得该名单上的个人的同意，可将其添加到适当的红帽系统中。

2.3 **Support from a Business Partner.** If you purchase Subscriptions that include support provided by an authorized Red Hat Business Partner (not by Red Hat) then Section 2.4 does not apply to you and you should work with your Business Partner to obtain support services. Section 2.4 only applies if you have purchased Subscriptions with Support provided by Red Hat.

2.3 **业务合作伙伴提供的支持。**如果贵方购买的订阅包括经授权的红帽业务合作伙伴（而非红帽）提供的支持，则贵方不适用第 2.4 节，且贵方应与贵方的业务合作伙伴合作以获得支持服务。仅当贵方已购买由红帽提供支持的订阅时，第 2.4 节才适用。

2.4 Support from Red Hat.

2.4.1 Development Support. Certain Subscriptions include Development Support. "**Development Support"** consists of assistance with architecture, design, development, prototyping, installation, usage, problem diagnosis and bug fixes with respect to the specified Software, in each case, for Development Use. Requests for deployment and maintenance assistance and/or assistance for Production Use are not included within the scope of Development Support, but may be available on a consulting basis under the terms of a separate agreement.

2.4 红帽提供的支持。

2.4.1 **开发支持。**某些订阅包括开发支持。"**开发支持**"包括就指定软件协助的架构、设计、开发、原型开发、安装、使用、问题诊断和漏洞修复，每种情况均针对开发用途。为获得部署和维护方面的协助和/或有关生产用途之协助而提出的请求，不包含在开发支持的范围内，但可按照另行协议的条款在咨询的基础上提供。

2.4.2 **Production Support.** Certain Subscriptions include Production Support. "**Production Support**" consists of assistance with installation, application testing, usage, problem diagnosis and

2.4.2 **生产支持。**某些订阅包括生产支持。"**生产支持**"包括针对指定软件提供安装、应用测试、使用、问题诊断和漏洞修复方面的

bug fixes with respect to the specified Software, in each case, for Production Use. Production Support does not include assistance with (i) code development, system design, network design, architectural design, optimizations, tuning recommendations, development or implementation of security rules or policies, (ii) third party software made available with Red Hat Software, (iii) software on the supplementary, optional or Extra Packages for Enterprise Linux ("**EPEL**") channels or (iv) preview technologies.

协助，且每种情况均针对生产用途。生产支持不包括以下方面的协助：(i) 代码开发、系统设计、网络设计、架构设计、优化、调优建议、安全规则或政策的编制或实施，(ii) 与红帽软件一同提供的第三方软件，(iii) 补充频道、可选频道或 Extra Packages for Enterprise Linux（"**EPEL**"）频道上的软件，或 (iv) 预览技术。

2.4.3 Support Coverage. Support is provided in the English language but may be available in other languages based on available resources. Red Hat does not provide support for (a) any underlying infrastructure, any third party products, or any upstream open source community projects including those that are the basis of a Red Hat Product; (b) Software that (i) you (or a third party) have modified or recompiled, (ii) is running on hardware or platforms that are not Supported Configurations or (iii) is not running in its Supported Use Case; (c) any work performed under a separate professional services engagement; (d) individuals who are not your Support Contacts (defined below); and (e) Subscriptions running in excess of the number of Units you have purchased or outside the applicable Use Case. You are responsible for testing the Software before deploying it in your environment, backing up your systems on a regular basis and having those backups available if needed for support purposes. Except as otherwise expressly stated, Support does not include data migration or data recovery support. Unless otherwise agreed in writing, Support does not include remote access by Red Hat personnel to your network and/or systems.

2.4.3 支持覆盖。支持以英语提供，但可根据可用资源以其他语言提供。红帽就以下各项不提供支持：(a) 任何底层基础设施、任何第三方产品，或任何上游开源社区项目，包括作为红帽产品基础的项目；(b) (i) 贵方（或第三方）已修改或重新编译的软件；(ii) 在不属于有支持服务的配置的其他硬件或平台上运行的软件；或 (iii) 未在其有支持服务的用例中运行的软件；(c) 根据单独的专业服务约定进行的任何工作；(d) 不属于贵方支持联系人（定义见下文）的个人；以及 (e) 超过贵方购买的单位数量或在适用用例之外运行的订阅。贵方负责在将软件部署到贵方环境之前测试软件、定期备份贵方的系统以及在需要时提供该等备份以供支持之用。除非另有明确说明，支持不包括数据迁移或数据恢复支持。除非另有书面约定，支持不包括由红帽人员远程访问贵方网络和/或系统。

2.4.4 Support for AI Products. Support for AI Products is only provided for the components that are provided by Red Hat when running on a supported environment for the purpose of deploying or using such components to train, use and critique a Red Hat provided model. Support will not be provided for any Input, Output, Modified Output, or content provided by Client.

2.4.4 AI 产品的支持。对 AI 产品的支持仅面向在受支持的环境中运行时由红帽提供的组件，以便部署或使用此类组件来训练、使用和评价红帽提供的模型。不会对客户提供的任何输入、输出、修改的输出或内容提供支持。

2.4.5 Service Level Guidelines. Red Hat will use commercially reasonable efforts to provide Support at one or more of the following levels of support, depending on the Red Hat Product: Self-support (limited offering), Standard or Premium, as set forth at https://access.redhat.com/support/offerings/production/sla ("**Service Levels**").

2.4.5 服务级别指引。红帽将尽商业上合理的努力，视红帽产品而定在下列一个或多个支持级别提供支持：自服务（有限提供）、标准级或高级，具体见 https://access.redhat.com/support/offerings/production/sla（"服务级别"）。

2.4.6 Obtaining Support. To receive Support, you must provide Red Hat with sufficient information to validate your entitlement to the relevant Support. Certain Support is provided only during Red Hat's local Standard Business Hours. You may contact Red Hat through your designated Support Contacts. You may designate up to the number of contacts described at https://access.redhat.com/support/offerings/production/contacts .

2.4.6 获得支持。为获得支持，贵方必须向红帽提供足够的信息以验证贵方有权获得相关支持。某些支持仅在红帽的当地标准工作时间内提供。贵方可通过贵方的指定支持联系人与红帽联系。贵方可指定不超过 https://access.redhat.com/support/offerings/production/contacts 所述数量的联系人。

2.5 Software Lifecycle. During the life cycle of Software, the scope of Software Maintenance and Support evolves and, after a period of time, we discontinue Software Maintenance and Support for older versions of Software. The life cycle for Software Maintenance and Support is described at https://access.redhat.com/support/policy/update_policies.html and in applicable Exhibit(s). For certain versions of Software, you may purchase Extended Update Support ("**EUS**"), Extended Life Cycle Support ("**ELS**") or ELS Long Life Add-On Subscription(s) to extend your Subscription Services as further described at https://access.redhat.com/product-life-cycles/update_policies. ELS Long Life Add-On Subscriptions have reduced scope and specific fixed start and end dates for specific versions of Software. For purchases of EUS, ELS and ELS Long Life Add-On Subscriptions, you are required to purchase such Subscriptions in a quantity equal to the total

2.5 软件生命周期。在软件的生命周期内，软件维护和支持的范围不断变化，并且在一段时间之后，本公司停止对旧版软件提供软件维护和支持。软件维护和支持的生命周期见 https://access.redhat.com/support/policy/update_policies.html 和适用的附件。对于某些软件版本，贵方可购买延长更新支持（"**EUS**"）、延长生命周期支持（"**ELS**"）或 ELS 长期附加订阅，以延长贵方的订阅服务（进一步说明见 https://access.redhat.com/product-life-cycles/update_policies）。ELS 长期附加订阅的范围有所缩小，并针对特定版本的软件设定了特定的固定开始和结束日期。对于购买 EUS、ELS 和 ELS 长期附加订阅，贵方需要购买的订阅数量等于运行此类订阅支持的软件版本的每个单元的总数和容量。

number and capacity of every Unit running a version of Software that such Subscription supports.

3. Cloud Access: Deploying Subscriptions in a Public Cloud

3.1 Enabling Eligible Subscriptions for use in a Public Cloud. You may deploy Subscriptions in a Vendor's Cloud under the Cloud Access program if you have purchased a sufficient number of Units, provided the Subscriptions do not have Units that are solely based on physical attributes as further described at the Red Hat Subscription Management Customer Portal (https://access.redhat.com/management/cloud). The deployment of Subscription(s) for use in a Vendor's Cloud does not change the start date or the duration of the original Subscriptions. This means that when your Subscription expires, your access to the Subscription Serviceswill cease, unless renewed.

3.2 Cloud Usage Reporting. You consent to a Vendor reporting to Red Hat your usage of Subscriptions in the Vendor's Cloud.

3.3 Public Cloud Terms of Service. Through the Cloud Access program, you may obtain access to Software images and/or updates to the Software, if and when available, either (a) via new images obtained from the Vendor's Cloud or (b) from a Red Hat Portal. Certain information (such as Software related notices) may only be available to you via the Red Hat Portal. Payments to Red Hat for Subscriptions do not include any fees that may be due to the Vendor for the Vendor's Cloud services. Red Hat is not a party to your agreement with the Vendor and is not responsible for providing access to the Vendor's Cloud or performing any other obligations of the Vendor. The Vendor is solely responsible and liable for the Vendor's Cloud. Red Hat may have a support relationship with the Vendor that enables Red Hat and the Vendor to collaborate and you consent to Red Hat and the Vendor sharing information for the purpose of providing Subscription Services. Red Hat will provide Support to you for each Eligible Subscription pursuant to this Agreement. Certain software components or functionality may not be available or supported when used in the Vendor's Cloud.

3.4 Vendor Specific Services. Vendors may offer other services, offerings or commitments related to their Clouds, which may include the provision of services by US only personnel, compliance with various legal regimes or other Vendor Cloud specific obligations and do not apply to Subscriptions. As between Red Hat and you, you are solely responsible for complying with any applicable export laws or regulations related to your use of the Subscriptions and you agree not to transmit information, data or technology governed by the International Traffic in Arms Regulations to Red Hat.

3.5 Vendor Termination. Red Hat may terminate the availability of a particular Vendor that offers Cloud Access with sixty (60) day notice, provided you may continue to use any Subscriptions for the remainder of the term on another Vendor's Cloud or on your premises under the terms of this Agreement.

4. Definitions

"**AI Products**" are Red Hat Products that are AI Platforms or contain AI Features.

"**Add-On Subscriptions**" are optional layered Subscriptions that may be purchased in addition to an underlying base Subscription (e.g. a Red Hat Enterprise Linux or Red Hat OpenShift Container Platform Subscription).

"**Cloud**" means a Vendor's hosted computing infrastructure that provides systems, virtual machines or container hosts to end users.

"**Cloud Access**" is the Red Hat program when using Eligible

3. 云接入：在公共云中部署订阅

3.1 启用符合条件的订阅以供在公共云中使用。如果贵方购买了足够数量的单位，贵方可以根据云接入计划在卖方云中部署订阅，前提是该订阅不包含仅基于物理属性的单位（如红帽订阅管理客户门户网站https://access.redhat.com/management/cloud所详述）。部署订阅以供在卖方云中使用，并不改变原始订阅的起始日期或有效期。这意味着，除非续期，否则当贵方的订阅到期时，贵方对订阅服务的访问权将终止。

3.2 云使用报告。贵方同意卖方向红帽报告贵方在卖方的云中对订阅的使用情况。

3.3 公共云服务条款。通过云接入计划，贵方可 (a) 通过从卖方的云获得的新镜像或 (b) 从红帽门户，获得对软件镜像和/或软件更新的访问（倘若并且当其可获得时）。某些信息（如与软件相关的通知）只能通过红帽门户向贵方提供。向红帽支付的与订阅相关的款项，不包括应向卖方支付的、与卖方的云服务相关的任何费用。红帽不是贵方与卖方达成的协议的一方，也不负责提供对卖方的云的访问或履行卖方的任何其他义务。卖方应对卖方的云负有全部责任。红帽可与卖方有支持关系，以使红帽与卖方能够相互合作，而且贵方同意红帽与卖方共享信息，以提供订阅服务。红帽将按照本协议的规定，就每项有资格的订阅向贵方提供支持。当在卖方的云中使用时，某些软件组件或软件功能可能不可用或不享受支持服务。

3.4 卖方的特定服务。卖方可能提供与卖方云相关的其他服务、商品或承诺，其中可能包括仅由美国人员提供服务、遵守各种法律制度或其他卖方云特定的义务，但这些不适用于订阅。在红帽和贵方之间，贵方完全负责遵守与贵方使用订阅有关的任何适用出口法律或法规，并且贵方同意，贵方不会将受《国际武器贸易条例》约束的信息、数据或技术传送给红帽。

3.5 卖方终止。红帽可通过提前六十 (60) 天发送通知，终止特定的提供云接入的卖方，但贵方可在订阅期的剩余期限内，在另一个卖方的云上或在贵方的场所内，按照本协议条款的规定继续使用订阅。

4. 定义

"**AI 产品**" 指 AI 平台或包含 AI 功能的红帽产品。

"**附加订阅**"指可购买的可选分层订阅，作为下层基础订阅（例如 Red Hat Enterprise Linux 或 Red Hat OpenShift Container Platform 订阅）的补充。

"**云**"指向最终用户提供系统、虚拟机器或容器主机的卖方托管计算基础设施。

"**云接入**"指在第 3 节中规定的在卖方的云中使用符合条件的订

Subscriptions in a Vendor's Cloud as set forth in Section 3.

"**Demonstration Activities**" means deploying some or all of the Software with other software or hardware solely for the purpose of illustrating its capabilities excluding use in staging and acceptance testing environments and revenue generating deployments such as paid proof of concepts.

"**Deployment Activities**" means using the Software (a) in a production environment, (b) with live data and/or applications for any reason except Development Use and/or (c) for backup instances, whether cold or hot backup.

"**Eligible Subscriptions**" means certain Subscriptions that meet the criteria for Cloud Access set forth at www.redhat.com/solutions/cloud/access.

"**Evaluation Subscriptions**" and/or "**Preview Subscriptions**" means Subscriptions offered without charge solely for evaluation and not for Production Use or Development Use, including offerings described as evaluation, trial, preview or beta.

"**Individual Coding and Testing Activities**" means an individual working independently (with their own installation of Red Hat Software) to develop other software and/or perform prototyping or quality assurance testing, excluding any form of automated testing, multi-user testing and/or multi-client testing.

"**Multi-User Development, Test and Integration Activities**" means deploying Software components, container images or products packaged as container images, solely for the purposes of multi-user software development, build, continuous integration environment and testing, including automated testing, multi-user testing and/or multi-client testing of such Software.

"**Red Hat Portal**" means a Red Hat hosted delivery portal, such as Red Hat Customer Portal, Red Hat Container Registry, cloud.redhat.com and/or Red Hat Update Infrastructure ("**RHUI**") that provides access to Software and Subscription Services.

"**Red Hat Products**" means Software, Services, and other Red Hat branded offerings made available by Red Hat.

"**Red Hat Universal Base Image(s)**" means a certain subset of Red Hat Enterprise Linux user space (non-kernel) software components and supporting container software provided by Red Hat via Red Hat Universal Base Image repositories.

"**Software**" means Red Hat branded software that is included in a Software Subscription offering.

"**Software Maintenance**" means access to updates, upgrades, corrections, security advisories and bug fixes for Software, if and when available.

"**Software Subscription**" means a Subscription that contains Subscription Services for Software, including access to a Red Hat Portal to obtain the applicable Software, Software Maintenance and Support.

"**Standard Business Hours**" are listed at https://access.redhat.com/support/contact/technicalSupport.html.

"**Subscription**" means a time bound Red Hat Product offering. For the purposes of this Appendix it refers to Software Subscriptions and Support Subscriptions, as applicable, and may also be referred to as Red Hat Products.

"**Subscription Services**" means services provided in a Subscription which may include access to a Red Hat Portal, Software Maintenance, Support and any other Red Hat services associated with and during the term of a Subscription.

"**Support**" means Red Hat technical support for issues relating to Software as described in this Appendix.

"**Supported Configuration(s)**" means the supported Red Hat Product hardware and platform configurations that are listed at https://access.redhat.com/supported-configurations.

"**Support Contact(s)**" is a person authorized by you to open support requests and/or contact Red Hat support personnel.

"**Support Subscription**" means a Subscription that contains a specialized Support offering that is supplemental to Support provided in Software Subscriptions.

阅时适用的红帽计划。

"**演示活动**"是指与其他软件或硬件一起部署部分或全部软件，专门为了展示软件的功能，不包括在暂存和验收测试环境中的使用以及付费的概念验证等创收部署。

"**部署活动**"指 (a) 在生产环境中使用软件，(b) 将实时数据和/或应用程序用于除开发使用以外的任何原因，和/或 (c) 将软件用于备份实例，无论是冷备份还是热备份。

"**符合条件的订阅**"指某些符合 www.redhat.com/solutions/cloud/access 规定的云接入标准的订阅。

"**评估订阅**"和/或"**预览订阅**"指只能用于评估目的，不能用于生产用途和开发用途，包括描述为"评估"、"试用"、"预览"或"测试"而免费提供的订阅。

"**个人编码和测试活动**"指某个人独立（自己安装红帽软件）开发其他软件和/或执行原型开发或质量保证测试，不包括自动化测试、多用户测试和/或多客户机测试。

"**多用户开发、测试和集成活动**"指仅为了多用户软件开发、构建、持续集成环境和测试而部署软件组件、容器映像或包装成容器映像的产品，包括该软件的自动化测试、多用户测试和/或多客户机测试。

"**红帽门户**"指提供软件和订阅服务访问的红帽托管交付门户，例如红帽客户门户、红帽容器注册表、cloud.redhat.com 和/或 Red Hat Update Infrastructure ("**RHUI**")。

"**红帽产品**"指红帽提供的软件、服务和其他红帽品牌产品。

"**红帽通用基本镜像**"指红帽通过红帽通用基本镜像存储库提供的 Red Hat Enterprise Linux 用户空间（非内核）软件组件和支持容器软件的特定子集。

"**软件**"指在软件订阅产品中包含的红帽品牌软件。

"**软件维护**"指访问软件的更新、升级、更正、安全报告和漏洞修复（倘若并且当其可访问时）。

"**软件订阅**"指包含软件订阅服务的订阅，包括访问红帽门户以获得相关软件、软件维护和支持。

"**标准工作时间**"列于 https://access.redhat.com/support/contact/technicalSupport.html。

"**订阅**"指有时限的红帽产品。就本附录而言，是指软件订阅和支持订阅（以适用情况为准），并且还可能指红帽产品。

"**订阅服务**"指在订阅期内在订阅中提供的服务，其中可能包括红帽门户访问、软件维护、支持和任何其他红帽服务。

"**支持**"指本附录所述的、针对与软件有关的问题的红帽技术支持。

"**有支持服务的配置**"指 https://access.redhat.com/supported-configurations 列出的支持的红帽产品硬件和平台配置。

"**支持联系人**"指获得贵方的授权来开启支持请求和/或与红帽支持人员联系的人。

"**支持订阅**"指包含特别支持服务的订阅，作为软件订阅中提供的支持的补充。

"**Supported Use Case(s)**" means the manner and/or environment in which a particular Subscription(s) is used and supported as further defined in this Appendix or an applicable Exhibit.

"**Vendor**" means the Red Hat authorized third party from whom you purchase Cloud services and who is authorized by Red Hat to participate in this Cloud Access program.

"**有支持服务的用例**"指在本附录或相关附件中进一步定义的、特定订阅被使用和获得支持的方式和/或环境。

"**卖方**"指红帽授权的、向贵方出售云服务并获得红帽授权参与本云接入计划的第三方。

EXHIBIT 1.A
RED HAT ENTERPRISE LINUX AND RELATED SOFTWARE SUBSCRIPTIONS

附件 1.A
RED HAT ENTERPRISE LINUX 及相关的软件订阅

This Exhibit 1.A. to Product Appendix 1 governs your use of the Software Subscriptions described below.

产品附录 1 的本附件 1.A. 适用于贵方使用以下列明的订阅。

1. Unit of Measure and Purchasing Requirements for Red Hat Enterprise Linux Server, Red Hat Virtualization and Red Hat OpenStack Platform

Table 1 sets forth the Units of measure, capacity limitations and Supported Use Cases for various Red Hat Enterprise Linux, Red Hat Virtualization and Red Hat OpenStack Platform Software Subscriptions.

1. Red Hat Enterprise Linux Server、Red Hat Virtualization 和 Red Hat OpenStack Platform 的计量单位和购买要求

表 1 列出了各种 Red Hat Enterprise Linux、Red Hat Virtualization 和 Red Hat OpenStack Platform 软件订阅的计量单位、容量限制和有支持服务的用例。

Table 1

Red Hat Product	Unit of Measure	Capacity		Supported Use Case
		Socket(s) or SOCs	Virtual Nodes	
Red Hat Enterprise Linux Server (Physical or Virtual Nodes)	Physical Node or Virtual Nodes	Socket-pair for each Physical Node or 2 Virtual Nodes		Supported only for server computing on Supported Configurations, including delivery of services to other logical or physical client or server systems and the execution of multi-user applications, including an entitlement to certain Ansible components to enable Ansible playbooks, roles or modules that are included with or generated by certain Red Hat products, (e.g. Red Hat Enterprise Linux System Roles, or remediation playbooks generated by Red Hat Insights) (collectively the "**RHEL Use Case**"). Any use of Ansible components other than the RHEL Use Case requires the purchase of Ansible Automation Platform Subscriptions.
Red Hat Enterprise Linux for SAP Solutions				RHEL Use Case and; supported only on Supported Configurations certified by SAP solely to run SAP's HANA platform, S4 HANA or NetWeaver products ("**SAP Use Case**").
Red Hat Enterprise Linux for Distributed Computing, Edge Server				Edge Supported Use Case (Section 1.2 (b) above) RHEL Use Case
Red Hat Enterprise Linux for Third Party Migration				Supported only for the number of Units migrated from third party software at the time of the original purchase and does not support Add-On Subscriptions. RHEL Use Case
Red Hat Enterprise Linux for Distributed Computing, Endpoint	Physical Node or Virtual Nodes	Single Socket for each Physical Node or 2 Virtual Nodes		Edge Endpoint Supported Use Case (Section 1.2 (b) above) RHEL Use Case
Red Hat Enterprise Linux for Distributed Computing, Gateway				Edge Gateway Use Case (Section 1.2 (b) above) RHEL Use Case
Red Hat Enterprise Linux for Virtual Datacenters (See Note 1 below)	Physical Node	Socket-pair	Unlimited Virtual Nodes running on a Socket-pair	RHEL Use Case
Red Hat Enterprise Linux for Virtual Datacenters for SAP Solutions (see Note 1 below)				RHEL Use Case SAP Use Case
Red Hat Enterprise Linux for ARM based NVidia smart NIC	Physical Node	Peripheral Board	N/A	RHEL Use Case running on ARM based peripheral boards.
Red Hat OpenStack Platform	Physical Node	Socket-pair	Unlimited Virtual Nodes running on a Socket-pair	Red Hat Enterprise Linux is supported solely on the x86 architecture when used as the host operating system for running Red Hat OpenStack Platform or when used as the guest

				operating system with virtual machines created and managed with Red Hat OpenStack Platform. Red Hat Enterprise Linux is currently the only supported operating system for Red Hat OpenStack Platform. Red Hat OpenStack Service Telemetry Framework is included and consists of Red Hat AMQ and Red Hat OpenShift Container Platform, and is only supported when used to monitor and manage virtual machines created with Red Hat OpenStack Platform (collectively the "**OSP Use Case**"). RHEL Use Case
Red Hat OpenStack Platform for Bare Metal Managed Nodes	Physical Node	Socket-pair	None	OSP Use Case RHEL Use Case
Red Hat OpenStack Platform Control Plane on Red Hat OpenShift Red Hat OpenStack Services on OpenShift	Physical Node	Socket-pair	Unlimited Virtual Nodes running on a Socket-pair	Supported only for workloads running OpenStack Platform Control Plane on Red Hat OpenShift Container Platform. OSP Use Case OCP Use Case
Red Hat Enterprise Linux for Real Time	Physical Node	Socket-pair	N/A	Real Time Use Case RHEL Use Case
Red Hat Virtualization				Supported on physical hardware solely to support virtual guests. Red Hat Virtualization is designed to run and manage virtual instances and does not support user-space applications. Red Hat Virtualization may be used as a virtual desktop infrastructure solution, however, the Subscription does not come with software or support for the desktop operating system. You must purchase the operating system for each instance of a desktop or server separately. Red Hat Virtualization Manager, a component of Red Hat Virtualization, includes a subscription for Red Hat Enterprise Linux for the purposes of running Red Hat Virtualization Manager. Red Hat Virtualization includes Red Hat JBoss Enterprise Application Platform solely supported to run certain utilities in Red Hat Virtualization ("**Virtualization Use Case**"). RHEL Use Case
Red Hat Enterprise Linux for ARM				RHEL Use Case running on ARM based systems.
Red Hat Enterprise Linux for Power	Physical Node or Virtual Nodes	Up to 4 processor cores or Socket-pair	N/A	RHEL Use Case running on a Power based system.
Red Hat Enterprise Linux for SAP Solutions for Power				RHEL Use Case and SAP Use Case running on a Power based system.
Red Hat OpenStack Platform for IBM Power	Physical Node	Socket-pair	N/A	RHEL Use Case and OSP Use Case running on Power based systems.
Red Hat Enterprise Linux for IBM Z	IBM Z IFL	N/A	N/A	RHEL Use Case running on IBM Z.
Red Hat Enterprise Linux for IBM Z and LinuxONE with Comprehensive Add-Ons				
Red Hat Enterprise Linux for SAP Applications for IBM zSystem and LinuxONE with Comprehensive Add-Ons	IBM Z IFL	N/A	N/A	RHEL and SAP Use Cases running on IBM Z.
Red Hat Enterprise Linux Academic Site Subscription	Full Time Equivalent (FTE)	1-2 Sockets	1 Virtual Guest	Supported only for use by qualified academic institutions. ("**Academic Use Case**") Qualified academic institutions must (a) be accredited by a national accreditation agency (e.g. the United States accreditation is located at http://ope.ed.gov/accreditation/Search.aspx) and (b) have at least one thousand (1,000) FTEs.

				RHEL Use Case
Red Hat Infrastructure for Academic Institutions - Site Subscription				Academic Use Case
Red Hat Enterprise Linux Workstation	System	2 CPU Unlimited RAM	1 Virtual Guest or 4 Virtual Guests	Supported only on personal computing systems with a primary purpose of executing applications and/or services for a single user who is typically working from a directly connected keyboard and display. Each Red Hat Enterprise Linux Workstation Subscription includes one Satellite Module to be used solely with a single Red Hat Enterprise Linux Workstation System.
Red Hat Enterprise Linux Desktop	System	1 CPU Up to 8GB RAM	1 Virtual Guest	Supported only on personal computing systems with a primary purpose of executing applications and/or services for a single user who is typically working from a directly connected keyboard and display. Red Hat Enterprise Linux Desktop does not include support for open source server applications (e.g., Apache, Samba, or NFS), testing and development purposes or to share data with peers. Each Red Hat Enterprise Linux Desktop Subscription includes one Satellite Module, each to be used solely with a single Red Hat Enterprise Linux Desktop System.
Red Hat Enterprise Linux for PRIMEQUEST	Physical Node	1-2 Sockets, 9 Logical Partitions 4 Sockets, 10 Logical Partitions 6 Sockets, 11 Logical Partitions or 8 Sockets, 12 Logical Partitions		RHEL Use Case running on Fujitsu PRIMEQUEST systems.
Red Hat Enterprise Linux Server Entry Level	Physical Node	Socket-pair	None	RHEL Use Case

Note 1: Red Hat Enterprise Linux for Virtual Datacenters Subscriptions do not include an entitlement for the host operating system.
Note 2: When Red Hat Enterprise Linux is used as a Virtual Guest, Virtual Guests may be pooled or shared on any other System that has a Subscription with the same (a) support level (Standard or Premium) and (b) number of Virtual Guests (1, 4 or unlimited Virtual Guests), provided that you do not exceed the total number of Virtual Guests associated with the underlying Subscriptions.

表 1

红帽产品	计量单位	容量		有支持服务的用例
		插槽或 SOC	虚拟节点	
Red Hat Enterprise Linux Server（物理节点或虚拟节点）	物理节点 或者 虚拟节点	针对每个物理节点的插槽对 或 2 个虚拟节点		仅就在有支持服务的配置上的服务器计算获得支持，包括将服务交付给其他逻辑或物理客户机或服务器系统以及执行多用户应用，包括有权使用某些 Ansible 组件以启用某些红帽产品中随附或生成的 Ansible 手册、角色或模块（例如 Red Hat Enterprise Linux 系统角色或 Red Hat Insights 生成的修复手册）（统称“**RHEL 用例**”）。使用 RHEL 用例以外的任何 Ansible 组件都需要购买 Ansible Automation Platform 订阅。
Red Hat Enterprise Linux for SAP Solutions				RHEL 用例；仅在 SAP 认证的有支持服务的配置上获得支持，来运行 SAP 的 HANA 平台，S4 HANA 或 NetWeaver 产品（“**SAP 用例**”）。
Red Hat Enterprise Linux for Distributed Computing，Edge 服务器				Edge 有支持服务的用例（上文第 1.2 (b) 节）；RHEL 用例
Red Hat Enterprise Linux for Third Party Migration				仅支持在原始购买时从第三方迁移的单位数量，不支持附加订阅。 RHEL 用例
Red Hat Enterprise Linux for Distributed Computing，端点	物理节点 或者	针对每个物理节点的单个插槽 或		Edge 端点有支持服务的用例（上文第 1.2 (b) 节）；RHEL 用例

Red Hat Enterprise Linux for Distributed Computing，网关	虚拟节点	2 个虚拟节点		Edge 网关用例（上文第 1.2 (b) 节） RHEL 用例
Red Hat Enterprise Linux for Virtual Datacenters （见下述备注 1）	物理节点	插槽对	在插槽对上运行的无限虚拟节点	RHEL 用例
Red Hat Enterprise Linux for Virtual Datacenters for SAP Solutions（见下述备注 1）				RHEL 用例 SAP 用例
基于 Red Hat Enterprise Linux for ARM 的 Nvidia 智能网卡	物理节点	外围板	不适用	RHEL 用例；在基于 ARM 的外围板上运行。
Red Hat OpenStack Platform	物理节点	插槽对	在插槽对上运行的无限虚拟节点	Red Hat Enterprise Linux 仅在用作运行 Red Hat OpenStack Platform 的主机操作系统时，或者在用作使用 Red Hat OpenStack Platform 创建和管理的虚拟机上的客户机操作系统时，才会在x86 架构上受支持。Red Hat Enterprise Linux 是 Red Hat OpenStack Platform 目前唯一有支持服务的操作系统。Red Hat OpenStack Service Telemetry Framework 被包含在内并由 Red Hat AMQ 和 Red Hat OpenShift Container Platform组成，并且仅在用于监控和管理利用 Red Hat OpenStack Platform 创建的虚拟机时才受支持（统称“**OSP 用例**”）。 RHEL 用例
Red Hat OpenStack Platform for Bare Metal Managed Nodes	物理节点	插槽对	无	OSP 用例 RHEL 用例
Red Hat OpenStack Platform（Red Hat OpenShift 上的控制平面） Red Hat OpenStack Services on OpenShift	物理节点	插槽对	在插槽对上运行的无限虚拟节点	仅在 Red Hat OpenShift Container Platform 上运行 OpenStack Platform Control Plane 的工作负载才获得支持。 OSP 用例 OCP 用例
Red Hat Enterprise Linux for Real Time	物理节点	插槽对	不适用	Real Time 用例 RHEL 用例
Red Hat Virtualization				在仅用于支持虚拟客户机的物理硬件上获得支持。Red Hat Virtualization 被设计用于运行和管理虚拟实例，不支持用户空间应用。Red Hat Virtualization 可以用作虚拟桌面基础设施解决方案，但是，订阅不附带桌面操作系统的软件或支持。贵方必须另行为桌面或服务器的每个实例购买操作系统。Red Hat Virtualization Manager 是一个 Red Hat Virtualization 组件，包含用于运行 Red Hat Virtualization Manager 的 Red Hat Enterprise Linux 的订阅。Red Hat Virtualization 包括 Red Hat JBoss Enterprise Application Platform，支持仅限于在 Red Hat Virtualization 内运行某些实用程序（“**Virtualization 用例**”）。 RHEL 用例
Red Hat Enterprise Linux for ARM				RHEL 用例 running on ARM based systems.
Red Hat Enterprise Linux for Power	物理节点 或 虚拟节点	最多 4 个处理器核心 或 插槽对	不适用	RHEL 用例；在基于 Power 的系统上运行。
Red Hat Enterprise Linux for SAP Solutions for Power				RHEL 用例和 SAP 用例；在基于 Power 的系统上运行。
Red Hat OpenStack Platform for IBM Power	物理节点	插槽对	不适用	RHEL 用例和 OSP 用例；在基于 Power 的系统上运行。
Red Hat Enterprise Linux for IBM Z	IBM Z IFL	不适用	不适用	RHEL 用例；在 IBM Z 上运行。
Red Hat Enterprise Linux for IBM Z and LinuxONE（带综合附加订阅）				
Red Hat Enterprise Linux for SAP Applications for IBM zSystem and LinuxONE（带综合附加订阅）	IBM Z IFL	不适用	不适用	RHEL 和 SAP 用例；在 IBM Z 上运行。
Red Hat Enterprise Linux Academic Site Subscription	全职人力工时 (FTE)	1-2 个插槽	1 个虚拟客户机	仅在合格的学术机构使用时获得支持（“**学术用例**”）。合格的学术机构必须是 (a) 获得国

				家认证机构的认证（例如美国认证见 http://ope.ed.gov/accreditation/Search.aspx）；并且 (b) 至少有一千 (1,000) FTE。 RHEL 用例
Red Hat Infrastructure for Academic Institutions - Site Subscription				学术用例
Red Hat Enterprise Linux Workstation*	系统	2 个 CPU 无限 RAM	1 个虚拟客户机或 4 个虚拟客户机	仅在个人计算系统上获得支持，该等系统的主要目的是为通常使用直接连接的键盘和显示器工作的单个用户执行应用和/或服务。每个 Red Hat Enterprise Linux Workstation 订阅均包含一个Satellite模块，仅与一个单一的 Red Hat Enterprise Linux Workstation 系统一起使用。
Red Hat Enterprise Linux Desktop	系统	1 个 CPU 最高 8GB RAM	1 个虚拟客户机	仅在个人计算系统上获得支持，该等系统的主要目的是为通常使用直接连接的键盘和显示器工作的单个用户执行应用程序和/或服务。Red Hat Enterprise Linux Desktop 不包含用于开源服务器应用（例如 Apache、Samba 或 NFS）、测试和开发目的的支持或者与对等端共享数据的支持。每个 Red Hat Enterprise Linux Desktop 订阅均包含一个Satellite模块，仅与一个单一的 Red Hat Enterprise Linux Desktop 系统一起使用。
Red Hat Enterprise Linux for PRIMEQUEST*	物理节点	1-2 个插槽、9 个逻辑分区 4 个插槽、10 个逻辑分区 6 个插槽、11 个逻辑分区或 8 个插槽、12 个逻辑分区		RHEL 用例 在 Fujitsu PRIMEQUEST 系统上运行。
Red Hat Enterprise Linux Server Entry Level	物理节点	插槽对	无	RHEL 用例

备注 1：Red Hat Enterprise Linux for Virtual Datacenters 订阅不包含有关主机操作系统的权利。
备注 2：当 Red Hat Enterprise Linux 用作虚拟客户机时，虚拟客户机可以在任何其他系统上进行合并或共享，只要该系统的订阅具有 (a) 相同的支持级别（标准级或高级）和 (b) 相同数量的虚拟客户机（1、4 或无限虚拟客户机），前提是贵方不会超过与底层订阅相关的虚拟客户机总数。

2. Additional Terms for Red Hat Enterprise Linux Server and associated Add-On Subscriptions

2.1 Red Hat Enterprise Linux Desktop and Workstation Subscriptions
Production Support for Red Hat Enterprise Linux Desktop is limited to Support Contacts that are helpdesk support personnel and not end users.

2.2 Your Content. Certain versions of Red Hat Enterprise Linux include tools with optional features that allow you to upload your content to build container-based applications or manage and deploy your content on your devices. By using any of these features, you agree: (a) to provide Red Hat with the rights required to host, build and, at your direction, deploy the content to your devices, (b) that you are entirely responsible for owning, acquiring and maintaining such rights and (c) any and all deployments are to your or your affiliates devices and not to any third party.

2.3 Red Hat Enterprise Linux and Red Hat OpenStack Platform Extended Life Cycle Support ("ELS") Subscriptions

(a) **Limited Maintenance and Production Support.** Red Hat Enterprise Linux and/or Red Hat OpenStack Platform ELS Add-on Subscriptions entitle you to receive Software Maintenance and Production Support for Severity 1 and 2 problems on x86 architectures and zSystems, but only for a limited set of software components listed at https://access.redhat.com/articles/4997301. Red Hat Enterprise Linux and/or Red Hat OpenStack Platform ELS Software Maintenance is limited to those Software updates

2. Red Hat Enterprise Linux Server及相关附加订阅的附加条款

2.1 Red Hat Enterprise Linux Desktop and Workstation 订阅

针对 Red Hat Enterprise Linux Desktop 的生产支持仅限于作为帮助台支持人员而非最终用户的支持联系人。

2.2 贵方内容。某些版本的 Red Hat Enterprise Linux 包含具有可选功能的工具，通过这些功能，贵方可以上传内容，以构建基于容器的应用程序或在贵方设备上管理和部署内容。使用以上任意功能即表示，贵方同意：(a) 向红帽提供托管、构建内容以及在贵方指示下将内容部署到贵方设备所需的权利；(b) 贵方全权负责拥有、获取和维护此类权利；和 (c) 任何和所有部署均面向贵方或贵方关联公司的设备，而非面向任何第三方。

2.3 Red Hat Enterprise Linux 和 Red Hat OpenStack Platform Extended Life Cycle Support ("ELS") 订阅

(a) **有限维护和生产支持。**Red Hat Enterprise Linux 和/或Red Hat OpenStack Platform ELS 附加装置订阅授权贵方获得对 x86 体系结构和 zSystems 上严重级别为 1 和 2 的问题的软件维护和生产支持，但仅限于 https://access.redhat.com/articles/4997301 上列出的一组有限的软件组件。列出的软件组件）。Red Hat Enterprise Linux 和/或 Red Hat OpenStack Platform ELS 软件维护仅限于红帽自行认为属于以下情况的软件更新：(a) 独立于客户支

that Red Hat considers, in the exercise of its sole judgment, to be (a) critical impact security fixes independent of customer support requests and (b) selected urgent priority defect fixes that are available and qualified for a subset of the packages in specific major releases of Red Hat Enterprise Linux and/or Red Hat OpenStack Platform beyond the end of its regular production cycles. The ELS streams will be maintained for an additional period of time immediately after the end-date of the regular production cycles of the relevant release as set forth at https://access.redhat.com/support/policy/updates/errata/. Red Hat will only support the last minor release of both Red Hat Enterprise Linux and Red Hat OpenStack Platform and will not make functional enhancements to versions of either Red Hat Enterprise Linux or Red Hat OpenStack Platform during the ELS cycle.

(b) **Red Hat Enterprise Linux ELS Unsupported Components.** Red Hat Enterprise Linux ELS does not support the following (in addition to those noted in Section 2.3(a) above): (a) desktop applications, (b) Red Hat Cluster Suite, (c) content from the Extras channel ("Extras" is a set of content with a shorter life cycle) and (d) independently layered or Add-On Subscriptions such as Directory Server, Red Hat Satellite, or Scalable File System. Red Hat reserves the right to exclude additional packages.

(c) **Red Hat Enterprise Linux ELS Content Delivery.** Red Hat Enterprise Linux ELS Software Maintenance is delivered through separate Red Hat Portal base channels for the specific release and corresponding child channels if applicable. You must install a modified redhat-release package downloaded from Red Hat Portal to subscribe a Unit to a Red Hat Enterprise Linux ELS channel.

3. Red Hat Enterprise Linux Developer Suite

Red Hat Enterprise Linux Developer Suite provides an open source development environment that consists of Red Hat Enterprise Linux with built-in development tools, certain Red Hat Enterprise Linux Add-Ons, Red Hat Enterprise Linux for Real Time, Satellite and access to Software Maintenance, but no Support. If you use any of the Subscription Services associated with Red Hat Enterprise Linux Developer Suite for Production Use, you agree to purchase the applicable number of Units.

4. Red Hat Enterprise Linux Developer Workstation and Red Hat Enterprise Linux Developer Support Subscriptions

For each paid, active Red Hat Enterprise Developer Workstation and/or Red Hat Enterprise Linux Developer Support Subscription, Red Hat will provide you with (a) access to the supported versions of Red Hat Enterprise Linux and updates through a Red Hat Portal; and (b) assistance for: (i) installation, usage and configuration support, diagnosis of issues, and bug fixes for Red Hat Enterprise Linux, but only for issues related to your use of Red Hat Enterprise Linux for Development Use and (ii) advice concerning application architecture, application design, industry practices, tuning and application porting.

The Red Hat Enterprise Linux Developer Workstation and Red Hat Enterprise Linux Developer Support Subscriptions do not include support for (a) modified software packages, (b) wholesale application debugging or (c) software included in the Red Hat Extras repository, supplementary channels, preview technologies or software obtained from community sites.

4.1 Red Hat Enterprise Linux Developer Support Subscription Levels. You may purchase Professional (two (2) business day

持请求的关键影响安全修补程序；以及 (b) 精选的紧急优先级缺陷修补程序，且该修补程序在 Red Hat Enterprise Linux 和/或 Red Hat OpenStack Platform 正常生产周期结束后仍可用并有资格成为其特定主发行版本中的软件包子集。ELS stream 将在相关发行版本的正常生产周期结束日期之后额外保留一段时间，具体见 https://access.redhat.com/support/policy/updates/errata/ 。红帽将仅支持 Red Hat Enterprise Linux 和 Red Hat OpenStack Platform 的最后一个小版本，并且在 ELS 周期内不会对 Red Hat Enterprise Linux 或 Red Hat OpenStack Platform 的各版本进行功能增强。

(b) **Red Hat Enterprise Linux ELS 无支持服务的组件。**Red Hat Enterprise Linux ELS 不支持以下组件（作为对上述第 2.3(a) 节所述的补充）：(a) 桌面应用程序；(b) Red Hat Cluster Suite；(c) 来自附加频道的内容（ "Extras" 是一组具有较短生命周期的内容）和 (d) 独立分层或附加订阅，例如 Directory Server、Red Hat Satellite 或 Scalable File System 。红帽保留排除其他软件包的权利。

(c) **Red Hat Enterprise Linux ELS 内容交付。**Red Hat Enterprise Linux ELS 软件维护通过单独的用于特定发行版本的红帽门户基本频道和相应的子频道（如适用）提供。贵方必须安装从红帽门户下载的经过修改的红帽发行版本软件包，才能将单位订阅至 Red Hat Enterprise Linux ELS 频道。

3. Red Hat Enterprise Linux Developer Suite

Red Hat Enterprise Linux Developer Suite 提供一个开源开发环境，该开发环境包括带有内置开发工具的 Red Hat Enterprise Linux、某些 Red Hat Enterprise Linux 附加装置、Red Hat Enterprise Linux for Real Time、Satellite 和对软件维护的访问，但无支持。如果贵方将与 Red Hat Enterprise Linux Developer Suite 相关的任何订阅服务用于生产用途，贵方同意购买相应数量的单位。

4. Red Hat Enterprise Linux Developer Workstation 和 Red Hat Enterprise Linux Developer Support 订阅

对于每个付费的、有效的 Red Hat Enterprise Developer Workstation 和/或 Red Hat Enterprise Linux Developer Support 订阅，红帽将为贵方提供 (a) 通过红帽门户访问有支持服务版本的 Red Hat Enterprise Linux 及更新；以及 (b) 提供以下方面的帮助：(i) Red Hat Enterprise Linux 的安装、使用和配置支持、问题诊断和漏洞修复，但仅限于与贵方将 Red Hat Enterprise Linux 用于开发目的相关的问题；以及 (ii) 有关应用程序架构、应用程序设计、行业实践、调优和应用程序移植的建议。

Red Hat Enterprise Linux Developer Workstation 和 Red Hat Enterprise Linux Developer Support 订阅不包括对以下内容的支持：(a) 被修改的软件包；(b) 批发应用程序调试；或 (c) Red Hat Extras 储存库、补充频道中包含的软件、预览技术或从社区网站获得的或软件。

4.1 Red Hat Enterprise Linux 开发人员支持订阅级别。对于 Red Hat Enterprise Developer Workstation（一 (1) 个系统）

response time) or Enterprise (four (4) Standard Business Hours response time) with web and phone support for an unlimited number of requests for Red Hat Enterprise Developer Workstation (one (1) System) and/or Red Hat Enterprise Developer Support Subscriptions (twenty-five (25) Systems).

和/或 Red Hat Enterprise Developer Support 订阅（二十五 (25) 个系统），贵方可购买带有网络和电话支持的专业级（响应时间为两 (2) 个工作日）或企业级（响应时间为四 (4) 个标准工作时间），以获得不限次数的请求。

5. Red Hat Enterprise Linux AI Software Subscriptions

Red Hat Enterprise Linux AI includes the following Red Hat branded AI models: Red Hat Starter Model based on Granite, Red Hat Instruct Model based on Granite, and Red Hat Teacher Model based on Mixtral Instruct and LoRa. Table 5 sets forth the Unit of measure and Supported Use Cases for Red Hat Enterprise Linux AI. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 5 below. Red Hat Enterprise Linux AI includes AI models that are large data files and not compiled software in source and binary formats.

5. Red Hat Enterprise Linux AI 软件订阅。

Red Hat Enterprise Linux AI 包括以下红帽品牌 AI 模型：基于 Granite 的 Red Hat Starter Model、基于 Granite 的 Red Hat Instruct Model 以及基于 Mixtral Instruct 和 LoRa 的 Red Hat Teacher Model。表 5 列出了 Red Hat Enterprise Linux AI 的计量单位和有支持服务的用例。贵方必须根据下表 5 中所述的单位和其他参数，购买适当数量和类型的此等订阅。Red Hat Enterprise Linux AI 包含 AI 模型，这些 AI 模型是大型数据文件，而不是源代码和二进制格式的编译软件。

Table 5

Red Hat Product	Unit	Capacity	Supported Use Case
Red Hat Enterprise Linux AI	Physical Node or Virtual Node	One (1) AI Accelerator	Supported only when running on Red Hat Enterprise Linux for the purpose of deploying or using a) Red Hat Starter Model and Red Hat Instruct Model as a foundational LLM, b) Red Hat Teacher Model to train the Starter Model and c) the Red Hat Teacher Model to critique and filter the Output. Support will not be provided for any Input, Output, or content provided by Client. The Red Hat Enterprise Linux that is included in RHEL AI will only be supported for the deployment or use of the components included in RHEL AI and subject to the RHEL Use Case.

表 5

红帽产品	单位	容量	有支持服务的用例
Red Hat Enterprise Linux AI	物理节点或虚拟节点	一(1) 个 AI 加速器	仅当在 Red Hat Enterprise Linux 上运行时才受支持，目的是部署或使用 a) Red Hat Starter Model 和 Red Hat Instruct Model 作为基础 LLM，b) Red Hat Teacher Model 来训练 Starter Model 和 c) Red Hat Teacher Model 来评价和筛选输出。不会为客户提供的任何输入、输出或内容提供支持。RHEL AI 中包含的 Red Hat Enterprise Linux 仅支持部署或使用 RHEL AI 中包含的组件，并受 RHEL 用例约束。

6. Red Hat Directory Server Software Subscriptions

Table 6 sets forth the Unit of measure and Supported Use Cases for Red Hat Directory Server. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 6 below. The Service Level for Directory Server is determined by the Service Level of the underlying Red Hat Enterprise Linux Subscription for the Physical Node or Virtual Node running Directory Server (for example, if the Service Level for the underlying Red Hat Enterprise Linux Software Subscription is Premium, then Directory Server would receive Premium level support).

6. Red Hat Directory Server 软件订阅

表 6 列出了 Red Hat Directory Server 的计量单位和有支持服务的用例。贵方必须根据下表 6 中所述的单位和其他参数，购买适当数量和类型的此等订阅。Directory Server 的服务级别取决于运行 Directory Server 的系统、物理节点或虚拟节点的底层 Red Hat Enterprise Linux 订阅的服务级别（例如，如果底层 Red Hat Enterprise Linux 软件订阅的服务级别是高级，则 Directory Server 将获得高级支持）。

Table 6

Red Hat Product	Unit	Supported Use Case
Red Hat Directory Server	Physical Node or Virtual Node	Supported on server-based Red Hat Enterprise Linux Subscriptions (not Red Hat Enterprise Linux Desktop, Red Hat Enterprise Linux for HPC or Red Hat Enterprise Linux Workstation Subscriptions). A Replica Red Hat Directory Server is only supported with an active Subscription for a Primary Red Hat Directory Server. "**Replica**" means a second instance of a Directory Server configured as a subordinate to the first instance of Directory Server. Red Hat Enterprise Linux Server is supported solely for the purpose of running Red Hat Directory Server Software. **"Primary"** means the authoritative Red Hat Directory Server from which Replica Red Hat Directory Servers derive Red Hat Directory Server information.

表 6

红帽产品	单位	有支持服务的用例
Red Hat Directory Server	物理节点或虚拟节点	在基于服务器的 Red Hat Enterprise Linux 订阅（而不是 Red Hat Enterprise Linux Desktop、Red Hat Enterprise Linux for HPC 或 Red Hat Enterprise Linux Workstation 订阅）上受支持。复制的 Red Hat Directory Server 必须具有有效的主要 Red Hat Directory Server 的订阅才受支持。**"复制"**指从属于 Directory Server 第一个实例而配置的 Directory Server 的第二个实例。Red Hat Enterprise Linux Server 仅出于运行 Red Hat Directory Server 软件的目的时才获得支持。**"主要"**指权威的 Red Hat Directory Server，复制的 Red Hat Directory Servers 从其获得 Red Hat Directory Server 信息。

7. Red Hat Certificate System Software Subscriptions

Table 7 sets forth the Unit of measure and Supported Use Cases for Red Hat Certificate System. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 7 below. The Service Level for Certificate System is determined by the Service Level of the underlying Red Hat Enterprise Linux Subscription for the Physical Node running Certificate System (for example, if the Service Level for the underlying Red Hat Enterprise Linux Software Subscription is Premium, then Certificate System would receive Premium level support).

7. Red Hat Certificate System软件订阅

表 7 列明了Red Hat Certificate System的计量单位和有支持服务的用例。贵方必须根据下表 7 中所述的单位和其他参数购买适当数量和类型的此等订阅。证书系统的服务级别由运行证书系统的物理节点的基础Red Hat Enterprise Linux订阅的服务级别确定（例如，如果基础Red Hat Enterprise Linux软件订阅的服务级别为高级，则证书系统将获得高级支持）。

Table 7

Red Hat Product	Unit	Supported Use Case
Red Hat Certificate System	Certificate	Supported on server-based Red Hat Enterprise Linux Subscriptions (not Red Hat Enterprise Linux Desktop, Red Hat Enterprise Linux for HPC or Red Hat Enterprise Linux Workstation Subscriptions). Certificate System includes Directory Server only to run and support Certificate System.

表 7

红帽产品	单位	有支持服务的用例
Red Hat Certificate System	证书	在基于服务器的 Red Hat Enterprise Linux 订阅（而不是 Red Hat Enterprise Linux Desktop、Red Hat Enterprise Linux for HPC 或 Red Hat Enterprise Linux Workstation 订阅）上受支持。证书系统包括 Directory Server，仅用于运行和支持证书系统。

EXHIBIT 1.B
RED HAT APPLICATION SERVICES, RED HAT OPENSHIFT CONTAINER PLATFORM, AND RELATED SOFTWARE SUBSCRIPTIONS

附件 1.B
RED HAT APPLICATION SERVICES、RED HAT OPENSHIFT、CONTAINER PLATFORM 和相关软件订阅

This Exhibit 1.B. to Product Appendix 1 governs your use of the Red Hat Application Services (formerly known as Red Hat JBoss Middleware), Red Hat OpenShift Container Platform, Red Hat Storage Services and Red Hat Quay product lines.

产品附录 1 的本附件 1.B. 适用于贵方使用 Red Hat Application Services（前称为Red Hat JBoss Middleware）、Red Hat OpenShift Container Platform、Red Hat Storage Services 和 Red Hat Quay 产品系列。

1. Unit of Measure and Purchasing Requirements for Red Hat Application Services Subscriptions.

Table 1 sets forth the Units of measure and Supported Use Cases for various Red Hat Application Services Subscriptions.

1. 关于 Red Hat Application Services 订阅的计量单位和购买要求

表 1 列出了各种 Red Hat Application Services 订阅的计量单位和有支持服务的用例。

1.1 Supported Application Services. Using Red Hat Application Services Subscription Services to support software obtained from community sites without purchasing a corresponding Subscription for such community software is a material breach of the Agreement.

1.1 有支持服务的 Application Services。使用 Red Hat Application Services 订阅服务来支持从社区站点获得的软件，而不购买该社区软件的相应订阅，属于严重违反本协议的行为。

1.2 Red Hat JBoss Core Services Collection. "**Red Hat JBoss Core Services Collection**" is a collection of components that provide common functionality (such as monitoring and management, load balancing, process control and single sign-on) across a majority of the Red Hat Application Services portfolio and is subject to the following terms:

(a) You will receive entitlements for Red Hat JBoss Core Services Collection in a quantity equal to the number of Cores of Red Hat Application Services Subscriptions you purchased (where the Unit is a Core).

(b) You will receive entitlements to Red Hat JBoss Core Services Collection equal to sixteen (16) Cores for each Red Hat Application Services Subscriptions you purchase on a per socket-pair basis.

(c) Red Hat JBoss Web Server does not include Red Hat JBoss Core Services Collection.

1.2 Red Hat JBoss 核心服务集合。"Red Hat JBoss 核心服务集合"是一组组件集合，它提供了大多数 Red Hat Application Services 产品组合中的常见功能（例如监视和管理、负载平衡、流程控制和单一登录），并受以下条款约束：

(a) 贵方将获得有关 Red Hat JBoss 核心服务集合的权利，数量等于贵方所购买 Red Hat Application Services 订阅之核心的数量（以核心为单位时）。

(b) 对基于每个插槽对而购买的每个 Red Hat Application Services 订阅，贵方将获得相当于十六 (16) 个核心的 Red Hat JBoss 核心服务集合的权利。

(c) Red Hat JBoss Web Server 不包括 Red Hat JBoss 核心服务集合。

1.3 Red Hat Application Services for Hybrid Deployments. Subscriptions in Table 1 include access to the Red Hat Application Services Software enabled for and supported on Red Hat OpenShift Container Platform for both private cloud and public cloud deployment platforms.

1.3 混合部署的 Red Hat Application Services。表 1 中的订阅包括 Red Hat Application Services Software 的访问权，此软件针对适用于私有云和公共云部署平台的 Red Hat OpenShift Container Platform 而启用，并且此平台支持该软件。

Table 1

Red Hat Product (Note 1 below)	Unit of Measure	Supported Use Case
Red Hat Application Foundations	Core Band	Supported on Supported Configurations.
Red Hat JBoss Enterprise Application Platform		
Red Hat JBoss Web Server		
Red Hat Runtimes		
Red Hat Data Grid		
Red Hat Fuse		
Red Hat AMQ		
Red Hat Process Automation Manager (formerly Red Hat JBoss BPM Suite)		
Red Hat Decision Manager (formerly Red Hat JBoss BRMS)		
Red Hat JBoss Application Services Extended Life Cycle Support Add On		
Red Hat Service Interconnect		
Red Hat Integration (Note 2)		
Red Hat Runtimes (Note 2)		
Red Hat Process Automation (Note 2)		

Red Hat 3Scale API Management Platform		Supported (a) when used on a server, (b) on Supported Configurations, and (c) when used for the purpose of API Management.
Red Hat build of OpenJDK for Servers (Note 3)		Supported for use on Windows Server versions as set forth in the Supported Configurations.
Red Hat build of Quarkus		Supported on the environments set forth at: https://access.redhat.com/articles/4966181
Red Hat build of OpenJDK for Workstations (Note 3)	Physical Node or Virtual Node	This product is supported for use on supported Windows Desktop versions as set forth in the Supported Configurations. This product is not supported for the deployment of Java based servers or use on Windows Server distributions.
Red Hat Application Foundations for OpenShift Clusters	Cluster (Core or vCPU Bands for virtualized deployments)	Supported on Supported Configurations.
	Cluster (Socket-Pair for Bare Metal deployments)	
Red Hat Connectivity Link	Gateways and Gateway Requests	Supported on Supported Configurations.

Note 1: Unless otherwise stated in an Order Form, one (1) Core is equivalent to two (2) vCPUs with hyper-threading active for the Subscriptions in this Exhibit 1.B.
Note 2: You may use up to the number of Cores in the Core Bands that you purchase for any combination of Subscriptions included in these Bundles.
Note 3: Client may use up to twenty (20) Support Contacts for Red Hat build of OpenJDK Subscriptions.

表 1

红帽产品（见下述备注 1）	计量单位	支持的用例
Red Hat Application Foundations	核心频带	在有支持服务的配置上受支持。
Red Hat JBoss Enterprise Application Platform		
Red Hat JBoss Web Server		
Red Hat Runtimes		
Red Hat Data Grid		
Red Hat Fuse		
Red Hat AMQ		
Red Hat Process Automation Manager（以前为 Red Hat JBoss BPM Suite）		
Red Hat Decision Manager（以前为 Red Hat JBoss BRMS）		
Red Hat JBoss Application Services Extended Life Cycle Support Add On		
Red Hat Service Interconnect		
Red Hat Integration（备注 2）		
Red Hat Runtimes（备注 2）		
Red Hat Process Automation（备注 2）		
Red Hat 3Scale API Management Platform		在 (a) 用于服务器上时；(b) 在有支持服务的配置上；以及 (c) 用于 API 管理目的时受支持。
Red Hat build of OpenJDK for Servers（备注 3）		支持在 Windows 服务器版本上使用。
Red Hat build of Quarkus		关于支持的环境，请参见：https://access.redhat.com/articles/4966181
Red Hat build of OpenJDK for Workstations（备注 3）	物理节点或虚拟节点	本产品支持在受支持的配置中规定的受支持的 Windows 桌面版本上使用。 此产品不支持部署基于 Java 的服务器或在 Windows Server 发行版上使用。
Red Hat Application Foundations for OpenShift Clusters	集群（核心或 vCUP 频带，针对虚拟部署）	在有支持服务的配置上受支持。
	集群（插槽对，针对裸金属部署）	
Red Hat Connectivity Link	网关和网关请求	在有支持服务的配置上受支持。

备注 1：除非订购单中另有规定，否则对于附件 1.B. 中的订阅而言，一 (1) 个核心等于两 (2) 个超线程技术的 vCPU。

备注 2：这些捆绑包中包含的任何订阅组合，贵方最多可以使用购买的核心频带中的核心数。
备注 3：客户最多可以使用二十 (20) 个支持联系人来负责 Red Hat build of OpenJDK 订阅。

2. Unit of Measure and Purchasing Requirements for Red Hat OpenShift

Table 2 sets forth the Units of measure, capacity limitations and Supported Use Cases for various Red Hat OpenShift Subscriptions. You must purchase the appropriate number and type of Subscriptions for each Unit, based on the Unit and other parameters described in Table 2. The Red Hat OpenShift Container Platform Use Case (OCP Use Case as defined below) applies to all Red Hat OpenShift offerings and additional Use Cases apply to the Red Hat OpenShift offerings as noted below.

2.1 Red Hat Enterprise Linux Server – CoreOS. Red Hat Enterprise Linux Server as included in Red Hat OpenShift Container Platform may be deployed using RPM package manager or in a host mode intended to run containers (aka "**Red Hat Enterprise Linux CoreOS**"). Red Hat Enterprise Linux CoreOS mode is an optional image based delivery, deployment and updating mechanism designed to support container based environments. Each deployment of Red Hat Enterprise Linux, regardless of the method (including containers), constitutes a Unit.

2.2 Red Hat OpenShift Data Foundation. Red Hat OpenShift Data Foundation is included with a Red Hat OpenShift Platform Plus subscription. Each Red Hat OpenShift Platform Plus Cluster is entitled up to 256 TB of storage capacity. Additional OpenShift Data Foundation storage capacity for Red Hat OpenShift Platform Plus Clusters requires the purchase of Red Hat Storage Capacity Expansion Pack for OpenShift Data Foundation and Red Hat Ceph Storage for OpenShift Container Platform.

2.3 Red Hat OpenShift Platform Plus (without OpenShift Container Platform). Red Hat OpenShift Platform Plus (without OpenShift Container Platform) is an Add-On Subscription that contains Red Hat Advanced Cluster Management, Red Hat Advanced Cluster Security, Red Hat OpenShift Data Foundation Essentials and Red Hat Quay and is supported on Red Hat OpenShift Container Platform, IBM Cloud Paks, Red Hat OpenShift on Amazon and Microsoft Azure Red Hat OpenShift. You must purchase the appropriate number and type of Add-On Subscription(s) for each Unit in a Cluster, based on the Unit and other parameters of the base Subscriptions described in Table 2 or as described by the aforementioned partner offerings.

2.4 Red Hat OpenShift Virtualization. Red Hat OpenShift includes Red Hat OpenShift Virtualization which is designed to run and manage virtual instances. Red Hat OpenShift Virtualization is supported only when Red Hat OpenShift is installed on the bare metal server and is not installed within a virtual machine. The included Red Hat Enterprise Linux software is supported solely when used as the guest operating system within virtual machines hosted on Red Hat OpenShift Virtualization, but not priced or supported when hosted on Red Hat OpenShift Virtualization Engine.

2.5 Red Hat OpenShift Upgrade and Support Add-On for IBM Cloud Paks. Red Hat offers upgrades for IBM Cloud Paks that include Red Hat OpenShift Container Platform via two Add-On Subscriptions:

(a) Red Hat OpenShift Platform Plus for IBM Cloud Pak (without OpenShift Container Platform) is an Add-On Subscription that

2. Red Hat OpenShift的计量单位和购买要求

表 2 列出了各种 Red Hat OpenShift订阅的计量单位、容量限制和有支持服务的用例。贵方须根据下表 2 中所述单位和其他参数，就每个单位购买适当数量和类型的订阅。Red Hat OpenShift Container Platform 用例（OCP 用例见下文定义）适用于所有 Red Hat OpenShift商品/服务，附加用例适用于下述 Red Hat OpenShift商品/服务。

2.1 Red Hat Enterprise Linux Server – CoreOS. Red Hat Enterprise Linux Server 作为 Red Hat OpenShift Container Platform 的一部分，可以使用 RPM 包管理器，或在主机模式下部署来运行容器（即**"Red Hat Enterprise Linux CoreOS**）。Red Hat Enterprise Linux CoreOS 模式是一个可选的基于图像的交付、部署和更新机制，旨在支持基于容器的环境。不管使用哪种方法（包括容器），每一个 Red Hat Enterprise Linux 的部署都构成一个单位。

2.2 Red Hat OpenShift Data Foundation。Red Hat OpenShift Platform Plus 订阅中包含 Red Hat OpenShift Data Foundation。每个 Red Hat OpenShift Platform Plus Cluster 都拥有最多 256 TB 存储容量。如需为 Red Hat OpenShift Platform Plus Clusters 额外增加 OpenShift Data Foundation 存储容量，则需要购买 Red Hat Storage Capacity Expansion Pack for OpenShift Data Foundation 和 Red Hat Ceph Storage for OpenShift Container Platform。

2.3 Red Hat OpenShift Platform Plus（不含 OpenShift Container Platform）。Red Hat OpenShift Platform Plus（不含 OpenShift Container Platform）是一个附加订阅，其中包含 Red Hat Advanced Cluster Management、Red Hat Advanced Cluster Security、Red Hat OpenShift Data Foundation Essentials 和 Red Hat Quay，并在 Red Hat OpenShift Container Platform、IBM Cloud Paks、Red Hat OpenShift on Amazon 和 Microsoft Azure Red Hat OpenShift 上受支持。贵方必须根据表 2 中所述或前述合作伙伴产品中所述的基本订阅单位和其他参数，为集群中的每个单位购买适当数量和类型的附加订阅。

2.4 Red Hat OpenShift Virtualization。Red Hat OpenShift 包括 Red Hat OpenShift Virtualization，Red Hat OpenShift Virtualization 专门用于运行和管理虚拟实例。仅当 Red Hat OpenShift 安装在裸金属服务器中而非安装在虚拟机内时，Red Hat OpenShift Virtualization 才会受到支持。仅当在 Hat OpenShift Virtualization 上托管的虚拟机中用作客户操作系统时，包含的 Red Hat Enterprise Linux 软件才会受支持，但在 Red Hat OpenShift Virtualization Engine 上托管时不定价或不受支持。

2.5 IBM Cloud Pak 的 Red Hat OpenShift 升级和支持附加订阅。红帽通过两个附加订阅为包含 Red Hat OpenShift Container Platform 的 IBM Cloud Pak 提供升级：

(a) Red Hat OpenShift Platform Plus for IBM Cloud Pak（不含 OpenShift Container Platform）是一种附加订阅，可将 Cloud

upgrades the Red Hat OpenShift Container Platform that is included in Cloud Paks to Red Hat OpenShift Container Platform Plus.

(b) Red Hat Support for IBM Cloud Pak (for Red Hat OpenShift only) Subscriptions upgrade the original Red Hat OpenShift Container Platform for IBM Cloud Pak Subscription entitlements by (i) enabling the Client to directly contact Red Hat for Support (Standard or Premium) and (ii) providing Support for general-purpose workloads.
Client agrees to purchase both Add-On Subscriptions in a quantity at least equal to the number of deployed Units across Clusters.

2.6 Red Hat OpenShift Virtualization Engine. Red Hat OpenShift Virtualization Engine is designed to create, run and manage virtual machines. Red Hat OpenShift Virtualization Engine includes additional entitlements to run third-party utilities (such as storage, monitoring, and management) that provide common functionality to the Red Hat OpenShift Virtualization Engine cluster infrastructure.

Pak 中包含的 Red Hat OpenShift Container Platform 升级为 Red Hat OpenShift Container Platform Plus。

(b) Red Hat Support for IBM Cloud Pak（仅适用于 Red Hat OpenShift）订阅通过以下方式升级 IBM Cloud Pak 订阅权利的原始 Red Hat OpenShift Container Platform：(i) 使客户能够直接联系红帽以获得支持（标准或高级），以及 (ii) 为通用工作负载提供支持。

客户同意购买两个附加订阅，其数量至少应等于跨集群部署的单位数量。

2.6 Red Hat OpenShift Virtualization Engine 。 Red Hat OpenShift Virtualization Engine 用于创建、运行和管理虚拟机。Red Hat OpenShift Virtualization Engine 包括运行第三方实用程序的额外权限（例如，存储、监控和管理），这些实用程序为 Red Hat OpenShift Virtualization Engine 集群基础设施提供通用功能。

Table 2

Red Hat Product (Note 1 below)	Unit of Measure	Capacity for Socket-based SKUs		Supported Use Case
		Sockets	Virtual Nodes	
Red Hat OpenShift Container Platform (Bare Metal Node)	Physical Node	Socket-pair with up to 64 Cores	None	Supported when used as a platform as a service on Supported Configurations (this Use Case is collectively the "**OCP Use Case**"). Running other applications and/or programs of any type (other than running OpenShift or offering content from OpenShift) on the operating environment can have a negative impact on the function and performance. Third party operators are not supported by Red Hat; contact the third party for support. Red Hat JBoss Web Server, Red Hat Build of OpenJDK, Red Hat SSO, Red Hat .NET Core, Red Hat Build of Keycloak and Red Hat Build of Quarkus, are included and only supported when running on OpenShift Container Platform.
	Physical Node and, subject to Note 2 below Virtual Nodes.	Socket-pair with up to 128Cores Note 2		
Red Hat OpenShift Platform Plus (Bare Metal Node)	Physical Node	Socket-pair with up to 64 Cores		OCP Use Case OpenShift Platform Plus includes: ODF Essentials Use Case (defined below) ACS Use Case ACM Use Case Quay Use Case ODF Essentials, ACS, ACM, Quay are supported for use with nodes with Red Hat OpenShift Platform Plus Subscriptions.
	Physical Node and, subject to Note 2 below Virtual Nodes.	Socket-pair with up to 128Cores Note 2		
Red Hat OpenShift Platform Plus with Red Hat OpenShift Data Foundation Advanced (Bare Metal Node)	Physical Node	Socket-pair with up to 64 Cores	None	OCP Use Case ODF Advanced Use Case ACS Use Case ACM Use Case Quay Use Case

				ODF Advanced, ACS, ACM, Quay are supported for use with nodes with OpenShift Platform Plus Subscriptions.
	Physical Node and, subject to Note 2 below Virtual Nodes.	Socket-pair with up to 128Cores Note 2		
Red Hat OpenShift Platform Plus (without OpenShift Container Platform, Bare Metal Node)	Physical Node	Socket-pair with up to 64 Cores	None	Not supported with OpenShift Kubernetes Engine. ODF Essentials Use Case ACS Use Case ACM Use Case Quay Use Case OpenShift Container Platform is not included.
	Physical Node and, subject to Note 2 below Virtual Nodes	Socket-pair with up to 128 Cores Note 2		
Red Hat Device Edge Essentials	Physical Node	1 Socket with up to 32 Cores	None	One Unit of either an instance of (a) Red Hat Enterprise Linux or (b) a small form-factor Kubernetes that is based on OpenShift is supported when running on a single Socket edge (non-data center) computing device ("**Device Edge Use Case**"). RHEL Use Case OCP Use Case
Red Hat Device Edge	Physical Node	1 Socket with up to 32 Cores	None	Device Edge Use Case with one (1) Ansible Automation Platform Managed Node included. RHEL Use Case OCP Use Case
Red Hat OpenShift Container Platform and OpenStack Platform (NFV Applications)	Physical Node	Socket-pair	Unlimited Virtual Guests	OpenStack Platform is solely supported as the host running OCP virtual guests. OCP Use Case. NFV Applications Use Case.
Red Hat OpenShift Container Platform or Red Hat OpenStack Platform (NFV Applications)	Physical Node	Socket-pair	Unlimited Virtual Guests	One (1) Unit of either Red Hat OpenShift Container Platform or Red Hat OpenStack Platform is supported on a Unit. NFV Applications Use Case OCP Use Case or OSP Use Case
Red Hat OpenShift Container Platform (NFV Applications)	Physical Node	Socket-pair	Unlimited Virtual Guests	OCP Use Case NFV Applications Use Case The Red Hat OpenShift Container Platform CI/CD development capabilities are not supported, including but not limited to, CodeReady Workspaces, OpenShift Pipelines (Jenkins and Tekton), Source to Image and Builder Automation (Tekton), the odo developer command line and the developer persona in the OpenShift Container Platform web console.
Red Hat OpenShift Container Platform (NFV Edge Applications)	Physical Node	One (1) Socket	Unlimited Virtual Guests	Supported for the deployment of containerized Radio Access Network services on a wireless network. This product is intended for network functions that have real time workload requirements such as the Distributed Unit or Radio Unit described by 3GPP or Open RAN in a 5G radio access network. Third party operators are not supported.
Red Hat OpenShift Virtualization Engine	Physical Node	Socket-pair with up to 128 Cores	None	Supported solely when Red Hat OpenShift Virtualization is (a) installed on the bare metal server and is not installed within a virtual machine and (b) used to create and manage virtual instances. The included Red Hat Enterprise Linux software is not supported for use as the guest operating system within virtual instances hosted on Red Hat OpenShift Virtualization.

Red Hat OpenShift AI (formerly Red Hat OpenShift Data Science)	Physical Node	Socket-pair with up to 128 Cores	N/A	Supported when used for AI/ML workloads running as containers on Red Hat OpenShift Container Platform or Red Hat OpenShift Platform Plus ("**RHOAI Use Case**").
Red Hat AI Accelerator	AI Accelerator	One (1) AI Accelerator	N/A	
Red Hat OpenShift Data Foundations Essentials Edition	Physical Node	Socket-Pair with up to 128 cores and with up to 256TB of data	N/A	Supported with a basic set of storage functionality ("**ODF Essentials Use Case**"). OCP Use Case
Red Hat OpenShift Data Foundations Advanced Edition				Support with the ODF Essentials Use Case and enhanced data encryption, disaster recovery, and data sharing across multiple OpenShift clusters and non-OpenShift clusters ("**ODF Advanced Use Case**"). OCP Use Case
Red Hat Product (Note 1 below)	**Unit of Measure**	**Capacity for Core-based SKUs**		**Supported Use Case**
		Cores	**Virtual Nodes**	
Red Hat OpenShift Container Platform	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	OCP Use Case
Red Hat OpenShift Platform Plus				OCP Use Case ODF Essentials Use Case ACS Use Case ACM Use Case Quay Use Case ODF Essentials, ACS, ACM, Quay are supported for use with the nodes that are entitled with Red Hat OpenShift Platform Plus subscriptions.
Red Hat OpenShift Platform Plus with Red Hat OpenShift Data Foundation Advanced	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	OCP Use Case ODF Advanced Use Case ACS Use Case ACM Use Case Quay Use Case ODF Advanced, ACS, ACM, Quay are supported for use with the nodes that are entitled with OpenShift Platform Plus Subscriptions
Red Hat OpenShift Platform Plus (without OpenShift Container Platform)	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	Not supported with OpenShift Kubernetes Engine. ODF Essentials Use Case ACS Use Case ACM Use Case Quay Use Case OpenShift Container Platform is not included.
Red Hat OpenShift Platform Plus for IBM Cloud Pak (without OpenShift Container Platform)	Physical Node or Virtual Node	1 Core	One (1) Virtual Node	ODF Essentials Use Case ACS Use Case ACM Use Case Quay Use Case OpenShift Container Platform is not included.
Red Hat Support for IBM Cloud Pak (Red Hat OpenShift only)	Physical Node or Virtual Node	1 Core	One (1) Virtual Node	OCP Use Case
Red Hat OpenShift Container Platform for IBM Power, LE	Virtual Node	2 Cores	One (1) Virtual Node	Supported when deployed on IBM Power, LE architecture. OCP Use Case
Red Hat OpenShift Container Platform for IBM Z and IBM LinuxONE	Virtual Node	1 Core	One (1) Virtual Node	
Red Hat OpenShift Kubernetes Engine	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	Supported as described in the OCP Use Case with respect to the components that are set forth at https://access.redhat.com/support/offerings/openshift-engine/sla/. Third party operators are not supported.
Red Hat OpenShift Container Platform, Premium (for Windows)	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	Support for OpenShift managing Windows-based containers. Windows software must be purchased separately.

Red Hat OpenShift Container Platform with Application Runtimes (Note 3)	Physical Node	Core Band	Unlimited Virtual Nodes	OCP Use Case
Red Hat OpenShift Container Platform with Application Foundations (Note 3)				
Red Hat OpenShift Container Platform with Process Automation (Note 3)				
Red Hat OpenShift AI (formerly Red Hat OpenShift Data Science)	Virtual Node	2 Cores or 4 vCPUs	One (1) Virtual Node	RHOAI Use Case
Red Hat OpenShift Data Foundations Essentials Edition	Virtual Node	2 Cores or 4 vCPUs with up to 256TB of data	One (1) Virtual Node	ODF Essentials Use Case OCP Use Case
Red Hat OpenShift Data Foundations Advanced Edition				ODF Advanced Use Case OCP Use Case

Note 1: Unless otherwise stated in an Order Form, one (1) Core is equivalent to two (2) vCPUs with hyper-threading active for the Red Hat Products in this Exhibit 1.B.

Note 2: Subscriptions purchased after January 1, 2025 based on the new MSRP include support for (a) 128 Cores per Socket-Pair and (b) Virtual Nodes hosted on OpenShift Virtualization on the Physical Node.

Note 3: There are two pools of Cores included in these Bundled offerings, one pool of Cores for any combination of Red Hat Application Services products and one pool of Cores for OpenShift Container Platform. You may use up to the number of Cores that you purchase in the Core Band(s) (a) for Red Hat Application Services products included in these Bundles and (b) for OpenShift Container Platform deployments (in a minimum of 2 Core allocations per Unit).

表 2

红帽产品（下文备注 1）	**计量单位**	**基于插槽的 SKU 的容量**		**有支持服务的用例**
		插槽	**虚拟节点**	
Red Hat OpenShift Container Platform（裸金属节点）	物理节点	插槽对最多支持 64 个核心	无	在有支持服务的配置上用作平台即服务时受支持（此用例统称**“OCP 用例”**）。在操作环境上运行任何类型的其他应用和程序（除运行 OpenShift 或提供 OpenShift 内容外）可能会对功能和性能产生负面影响。红帽不为第三方运营商提供支持；请联系第三方获取支持。Red Hat JBoss Web Server、Red Hat Build of OpenJDK、Red Hat SSO、Red Hat .NET Core、Red Hat Build of Keycloak 和 Red Hat Build of Quarkus 被包含在内，且仅在 OpenShift Container Platform 上运行时受支持。
	物理节点，以及根据下文备注 2，虚拟节点。	插槽对最多支持 128 个核心 备注 2		
Red Hat OpenShift Platform Plus（裸金属节点）	物理节点	插槽对最多支持 64 个核心		OCP 用例 OpenShift Platform Plus 包括： ODF Essentials 用例（见下文定义） ACS 用例 ACM 用例 Quay 用例 ODF Essentials、ACS、ACM、Quay 支持与拥有 Red Hat OpenShift Platform Plus 订阅的节点一起使用。
	物理节点，以及根据下文备注 2，虚拟节点。	插槽对最多支持 128 个核心 备注 2		
Red Hat OpenShift Platform Plus with Red Hat OpenShift Data Foundation Advanced（裸金属节点）	物理节点	插槽对最多支持 64 个核心	无	OCP 用例 ODF Advanced 用例 ACS 用例 ACM 用例 Quay 用例
	物理节点，	插槽对		

	以及根据下文备注 2，虚拟节点。	最多支持 128 个核心 备注 2		ODF Advanced、ACS、ACM、Quay 支持与拥有 OpenShift Platform Plus 订阅的节点一起使用。
Red Hat OpenShift Platform Plus（不含 OpenShift Container Platform，裸金属节点）	物理节点	插槽对 最多支持 64 个核心	无	OpenShift Kubernetes Engine 不支持。 ODF Essentials 用例 ACS 用例 ACM 用例 Quay 用例 不含 OpenShift Container Platform。
	物理节点，以及根据下文备注 2，虚拟节点	插槽对 最多支持 128 个核心 备注 2		
Red Hat Device Edge Essentials	物理节点	1 个插槽最多支持 32 个核心	无	在单个插槽边缘（非数据中心）计算设备上运行时，支持 (a) Red Hat Enterprise Linux 的实例或 (b) 基于 OpenShift 的小型 Kubernetes 的一个单位（“Device Edge 用例”）。 RHEL 用例 OCP 用例
Red Hat Device Edge	物理节点	1 个插槽最多支持 32 个核心	无	Device Edge 用例，包含一 (1) 个 Ansible Automation Platform 受管节点。 RHEL 用例 OCP 用例
Red Hat OpenShift Container Platform 和 OpenStack Platform（NFV 应用程序）	物理节点	插槽对	无限虚拟客户机	仅支持 OpenStack Platform 作为主机运行 OCP 虚拟客户机。 OCP 用例。 NFV 应用程序用例。
Red Hat OpenShift Container Platform 或 Red Hat OpenStack Platform（NFV 应用程序）	物理节点	插槽对	无限虚拟客户机	在一个单位上支持一 (1) 个单位的 Red Hat OpenShift Container Platform 或 Red Hat OpenStack Platform。 NFV 应用程序用例 OCP 用例或 OSP 用例
Red Hat OpenShift Container Platform（NFV 应用程序）	物理节点	插槽对	无限虚拟客户机	OCP 用例 NFV 应用程序用例 不支持 Red Hat OpenShift Container Platform CI/CD 开发功能，包括但不限于 CodeReady Workspaces、OpenShift Pipelines（Jenkins 和 Tekton）、Source to Image and Builder Automation (Tekton)、odo 开发人员命令行以及 OpenShift Container Platform web 控制台中的开发人员角色。
Red Hat OpenShift Container Platform（NFV 边缘应用程序）	物理节点	一 (1) 个插槽对	无限虚拟客户机	支持在无线网络中部署容器化的Radio Access Network 服务。本产品适用于具有实时工作负载要求的网络功能，例如，3GPP 描述的分布式单元或射频单元，或 5G 无线接入网络中的 Open RAN。不支持第三方操作。
Red Hat OpenShift Virtualization Engine	物理节点	插槽对 最多支持 128 个核心	无	仅当 Red Hat OpenShift Virtualization (a) 安装在裸金属服务器上而非安装在虚拟机中，并 (b) 用于创建和管理虚拟实例时，才会受支持。其包含的 Red Hat Enterprise Linux 软件不支持用作在 Red Hat OpenShift Virtualization 上托管的虚拟实例中的客户机操作系统。
Red Hat OpenShift AI（前称为 Red Hat OpenShift Data Science）	物理节点	插槽对 最多支持 128 个核心	不适用	当用于在 Red Hat OpenShift Container Platform 或 Red Hat OpenShift Platform Plus 上以容器形式运行的 AI/ML 工作负载时受支持（“**RHOAI** 用例”）。
Red Hat AI Accelerator	AI 加速器	一(1) 个 AI 加速器	不适用	
Red Hat OpenShift Data Foundations Essentials Edition	物理节点	插槽对 最多支持 128 个核心，最多支持 256TB 的数据	不适用	支持基本的存储功能集（“**ODF Essentials 用例**”）。. OCP 用例
Red Hat OpenShift Data Foundations Advanced Edition				支持 ODF Essentials 用例和增强的数据加密、灾难恢复以及多个 OpenShift 集群和非 OpenShift 集群中的数据共享（“**ODF Advanced 用例**”） OCP 用例
红帽产品（下文备注 1）	**计量单位**	**基于核心的 SKU 的容量**		**有支持服务的用例**
		核心	**虚拟节点**	
Red Hat OpenShift Container Platform	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节点	OCP 用例

Red Hat OpenShift Platform Plus				OCP 用例 ODF Essentials 用例 ACS 用例 ACM 用例 Quay 用例 ODF Essentials、ACS、ACM、Quay 支持与拥有 Red Hat OpenShift Platform Plus 订阅的节点一起使用。
Red Hat OpenShiftPlatform Plus with Red Hat OpenShift Data Foundation Advanced	虚拟节点	2 个核心、或 4 个 vCPU	一 (1) 个虚拟节点	OCP 用例 ODF Advanced 用例 ACS 用例 ACM 用例 Quay 用例 ODF Advanced、ACS、ACM、Quay 支持与拥有 OpenShift Platform Plus 订阅的节点一起使用
Red Hat OpenShift Platform Plus（不含 OpenShift Container Platform）	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节点一个虚拟客户机	OpenShift Kubernetes Engine 不支持。 ACS 用例 ACM 用例 Quay 用例 不含 OpenShift Container Platform。
Red Hat OpenShift Platform Plus for IBM Cloud Pak（不含 OpenShift Container Platform）	物理节点 或 虚拟节点	1 个核心	一 (1) 个虚拟节点	ODF Essentials 用例 ACS 用例 ACM 用例 Quay 用例 不含 OpenShift Container Platform。
Red Hat Support for IBM Cloud Pak（仅适用于 Red Hat OpenShift）	物理节点 或 虚拟节点	1 个核心	一 (1) 个虚拟节点	OCP 用例
Red Hat OpenShift Container Platform for IBM Power, LE	虚拟节点	2 个核心	一 (1) 个虚拟节点	在部署于 IBM Power, LE 架构上时受支持。 OCP 用例
Red Hat OpenShift Container Platform for IBM Z and IBM LinuxONE	虚拟节点	1 个核心	一 (1) 个虚拟节点	当部署在红帽支持的 KVM 管理程序上并在 IBM Z IFL 中运行时受支持。
Red Hat OpenShift Kubernetes Engine	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节点	如 OCP 用例中所示，支持 https://access.redhat.com/support/offerings/openshift-engine/sla/ 中列出的组件。不支持第三方操作。
Red Hat OpenShift Container Platform, Premium（适用于 Windows）	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节点	支持管理基于 Windows 的容器的 OpenShift。Windows 软件须单独购买。
Red Hat OpenShift Container Platform with Application Runtimes（备注 3）	物理节点	核心频带	无限的虚拟节点	OCP 用例
Red Hat OpenShift Container Platform with Application Foundations（备注 3）				
Red Hat OpenShift Container Platform with Process Automation（备注 3）				
Red Hat OpenShift AI（以前称 Red Hat OpenShift Data Science）	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节点	RHOAI 用例
Red Hat OpenShift Data Foundations Essentials	虚拟节点	2 个核心或 4 个 vCPU	一 (1) 个虚拟节	ODF Essentials 用例 OCP 用例

Edition		，最多支持 256TB 的数据	点	
Red Hat OpenShift Data Foundations Advanced Edition				ODF Advanced 用例 OCP 用例

备注 1：除非订购单中另有规定，否则对于附件 1.B 中的红帽产品而言，一 (1) 个核心等于两 (2) 个超线程技术的 vCPU。
备注 2：2025 年 1 月 1 日之后根据新的 MSRP 购买的订阅包括支持 (a) 每个插槽对 128 个核心，以及 (b) 物理节点上的 OpenShift Virtualization 上托管的虚拟节点。
备注 3：这些捆绑式产品包含两个核心池，一个用于 Red Hat Application Services产品任意组合的核心池，以及一个用于 OpenShift Container Platform 的核心池。对于用于 (a) 这些捆绑中包含的 Red Hat Application Services 产品以及 (b) OpenShift Container Platform 部署（每个单位至少 2 个核心分配）的核心频带，贵方最多可以使用核心频带中购买的核心数量。

3. Unit of Measure and Purchasing Requirements for Red Hat Quay.

Table 3 sets forth the Units of measure and Supported Use Cases for the Red Hat Quay Subscriptions. Red Hat Quay is an Add-On Subscription.

3. Red Hat Quay 的计量单位和购买要求。

表 3 列出了 Red Hat Quay 订阅的计量单位和有支持服务的用例。Red Hat Quay 是一个附加订阅。

Table 3

Red Hat Product	Unit of Measure	Supported Use Case
Red Hat Quay	Deployment	Supported when used on a Supported Configuration. Running other applications and/or programs of any type on the operating environment can have a negative impact on the function and/or performance.

表 3

红帽产品	计量单位	有支持服务的用例
Red Hat Quay	部署	在有支持服务的配置上使用时受支持。在操作环境中运行任何类型的其他应用程序和/或程序可能对功能和/或性能产生负面影响。

4. Unit of Measure and Purchasing Requirements for Red Hat Trusted Application Pipeline and associated products.

Table 4 sets forth the Units of measure and Supported Use Cases for the listed Add-On Subscriptions for Red Hat Trusted Application Pipeline, Red Hat Developer Hub, Red Hat Trusted Profile Analyzer and Red Hat Trusted Artifact Signer. Red Hat Trusted Application Pipeline enables you to identify your trusted source repositories for your build environment. Red Hat Trusted Profile Analyzer enables you to identify your source(s) of vulnerability data to analyze your builds. Red Hat Trusted Artifact Signer enables you to sign output from your build environment providing provenance for your build results.

4. Red Hat Trusted Application Pipeline 和相关产品的计量单位和采购要求。

表 4 列出了 Red Hat Trusted Application Pipeline、Red Hat Developer Hub、Red Hat Trusted Profile Analyzer 和 Red Hat Trusted Artifact Signer 所列附加订阅的计量单位和有支持服务的用例。Red Hat Trusted Application Pipeline 使贵方能够识别构建环境的可信源存储库。Red Hat Trusted Profile Analyzer 使贵方能够识别漏洞数据的来源，以分析贵方构建。Red Hat Trusted Artifact Signer 使贵方能够对来自构建环境的输出进行签名，从而为贵方构建结果提供出处。

Table 4

Red Hat Product	Unit of Measure	Supported Use Case
Red Hat Trusted Application Pipeline	User	Supported when running on Red Hat OpenShift. Container Platform, Azure Kubernetes Service or Amazon Elastic Kubernetes Service.
Red Hat Developer Hub	User	Supported when running on Red Hat OpenShift Container Platform, Azure Kubernetes Service or Amazon Elastic Kubernetes Service.
Red Hat Trusted Profile Analyzer	User	Supported when running on Red Hat OpenShift Container Platform, Azure Kubernetes Service or Amazon Elastic Kubernetes Service.
Red Hat Trusted Artifact Signer	User	Supported when running on Red Hat OpenShift Container Platform, Azure Kubernetes Service or Amazon Elastic Kubernetes Service.

表 4

红帽产品	计量单位	有支持服务的用例
Red Hat Trusted Application Pipeline	用户	在 Red Hat OpenShift Container Platform、Azure Kubernetes Service 或 Amazon Elastic Kubernetes Service 上运行时受支持。
Red Hat Developer Hub	用户	在 Red Hat OpenShift Container Platform、Azure Kubernetes Service 或 Amazon Elastic Kubernetes Service 上运行时受支持。

Red Hat Trusted Profile Analyzer	用户	在 Red Hat OpenShift Container Platform、Azure Kubernetes Service 或 Amazon Elastic Kubernetes Service 上运行时受支持。
Red Hat Trusted Artifact Signer	用户	在 Red Hat OpenShift Container Platform、Azure Kubernetes Service 或 Amazon Elastic Kubernetes Service 上运行时受支持。

EXHIBIT 1.C
RED HAT DATA SERVICES AND STORAGE SUBSCRIPTIONS

附件 1.C
RED HAT DATA SERVICES和 STORAGE 订阅

This Exhibit 1.C. governs your use of the Red Hat Products as described below. References to "**Red Hat Data Services and Storage Subscriptions**" refer to both product lines.

本附件 1.C. 适用于贵方使用下列红帽产品和相关商品/服务。提及"**Red Hat Data Services 和 Storage 订阅**"时是指两个产品系列。

1. Unit of Measure and Purchasing Requirements for Red Hat Storage

Table 1 sets forth the Unit of measure and Supported Use Case for various Red Hat Data Services and Storage Subscriptions. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 1 below. In addition, the following terms apply:

(a) Red Hat Gluster Storage includes management tools to manage one or more instances of Red Hat Gluster Storage.

(b) Red Hat Ceph Storage Software Subscriptions are priced based on the total amount of storage capacity. Each Red Hat Ceph Storage Software Subscription supports up to a certain number of Physical Nodes or Virtual Nodes. Should the number of Physical or Virtual Nodes be consumed before the Storage Band capacity is reached, you may upgrade to the next Storage Band to receive additional Physical or Virtual Nodes.

1. Red Hat Storage 的计量单位和购买要求。

表 1 列出了各种 Red Hat Data Services 和 Storage 订阅的计量单位和有支持服务的用例。贵方须根据下表 1 中所述单位和其他参数，购买适当数量和类型的此等订阅。此外，适用以下条款：

(a) Red Hat Gluster Storage 包括管理 Red Hat Gluster Storage 的一个或多个实例的管理工具。

(b) Red Hat Ceph Storage 软件订阅基于储存容量的总量定价。每个 Red Hat Ceph Storage 软件订阅都支持不超过一定数量的物理节点或虚拟节点。如果在达到储存频带容量之前用尽物理或虚拟节点的数量，则贵方可升级到下一个储存频带以接收更多的物理或虚拟节点。

Table 1

Red Hat Product	Unit of Measure	Supported Use Case
Red Hat Ceph Storage for OpenStack Platform	Physical Node or Virtual Node, and Storage Band	Supported only when used as a storage node. These Subscriptions are not supported on non-server hardware such as desktops or workstations and are intended for use on a dedicated Physical Node; running other applications and/or programs of any type on the Physical Node can have a negative impact on the function and/or performance of the Subscription. Each Subscription includes one Software Subscription to Red Hat Enterprise Linux Server and the Scalable File System Add-on, which are supported solely in connection with the use of the respective Red Hat Storage Subscription. Red Hat Gluster Storage Module does not include a Red Hat Enterprise Linux Software Subscription which must be purchased separately. (collectively "Storage Node Use Case")
Red Hat Ceph Storage for OpenShift Container Platform		
Red Hat Ceph Storage for Red Hat OpenStack on OpenShift	Socket	Storage Node Use Case
Red Hat Ceph Storage Pre-Production	Physical Node	These Pre-Production Subscriptions are subject to Red Hat Storage Node Use Case, provided that Support is only provided for Pre-Production Purposes (defined below).*

*"**Pre-Production Purposes**" consists of assistance with issues relating to the installation, configuration, administrative tasks and basic trouble-shooting of the Red Hat Ceph Storage or Red Hat Gluster Storage Software components prior to deployment in a production environment, but it does not include architectural design reviews or advice, advanced configuration topics, performance analysis or reviews.

Note 1: Standard or Premium support levels are available for all Subscriptions listed in Table 1 above except for Red Hat Gluster Storage Pre-Production and Red Hat Ceph Storage Pre-Production. Red Hat Gluster Storage Pre-Production and Red Hat Ceph Storage Pre-Production only provide Standard support level.

表 1

红帽产品	计量单位	有支持服务的用例
Red Hat Ceph Storage for OpenStack Platform	物理节点或虚拟节点和储存频带	仅当用作储存节点时受支持。这些订阅在非服务器硬件（如桌面或工作站）上不受支持，并且预期用于专用的物理节点；在物理节点上运行任何类型的其他应用和/或程序可能对订阅的功能和/或性能产生负面影响。每个订阅包括对 Red Hat Enterprise Linux Server 和 Scalable File System 附加装置的一个软件订阅，仅在与使用各 Red Hat Storage 订阅相关时才受支持。Red Hat Gluster Storage Module 不包括必须单独购买的 Red Hat Enterprise Linux 软件订购（统称为"**储存节点用例**"）。
Red Hat Ceph Storage for OpenShift Container Platform		
Red Hat Ceph Storage for Red Hat OpenStack on OpenShift	插槽	储存节点用例

Red Hat Ceph Storage Pre-Production	物理节点	这些 Pre-Production 订阅受到红帽储存节点用例的约束，前提是仅出于预生产目的提供支持（定义如下）。*

*“**预生产目的**”包括在生产环境中部署之前协助解决与 Red Hat Ceph Storage 或 Red Hat Gluster Storage 软件组件的安装、配置、管理任务和基本故障排除有关的问题，但不包括架构设计审查或建议、高级配置主题、性能分析或审查。

备注 1：标准级或高级支持级别适用于上文表 1 中列出的所有订阅，但 Red Hat Gluster Storage Pre-Production 和 Red Hat Ceph Storage Pre-Production 除外。Red Hat Gluster Storage Pre-Production 和 Red Hat Ceph Storage Pre-Production 仅提供标准支持级别。

This Exhibit 1.D. to Product Appendix 1 governs your use of the Red Hat Satellite, Red Hat Ansible product lines and related offerings.

1. Red Hat Satellite and Red Hat Capsule

1.1 Red Hat Satellite. Red Hat Satellite is an infrastructure management offering for Red Hat Enterprise Linux and other Red Hat infrastructure environments consisting of fifty (50) System entitlements for the management components for Red Hat Satellite, or Red Hat Satellite Capsule and access to a Red Hat Portal(s).

1.2 Units of Measure and Purchasing Requirements. You must purchase the appropriate number and type of Red Hat Satellite Subscriptions based on the Unit and Supported Use Cases described in Table 1 below.

Table 1

Red Hat Product	Unit	Supported Use Case
Red Hat Satellite, Red Hat Satellite Capsule and Red Hat Satellite Proxy (included in Red Hat Satellite Subscriptions)	System	Red Hat only provides Subscription Services for Red Hat Satellite, Red Hat Satellite Capsule or Red Hat Satellite Proxy when used on a System or Physical Node that is a server. Red Hat only provides Subscription Services for Red Hat Satellite Capsule and Red Hat Satellite Proxy when deployed with Red Hat Satellite. Red Hat Satellite includes a subscription for Red Hat Enterprise Linux for the purposes of running Red Hat Satellite.
Red Hat Satellite (formerly known as Red Hat Smart Management)	Managed Node	Red Hat Satellite entitlements are required for each Unit of Red Hat Enterprise Linux that is managed by Red Hat Satellite Capsule, Red Hat Satellite Proxy and/or Red Hat Satellite. Red Hat Satellite entitlements may be used with Red Hat Portal directly.
Red Hat Satellite for non-RHEL	Managed Node	Red Hat Satellite for non-RHEL entitlements are required for each Unit of non-RHEL that is managed by Red Hat Satellite Capsule, Red Hat Satellite Proxy and/or Red Hat Satellite. Red Hat only provides support for the Red Hat Satellite functionality and does not support the installation, configuration, connectivity or other general use of the non-RHEL Managed Node. Red Hat Satellite entitlements may be used with Red Hat Portal directly.

2. Red Hat Ansible Automation Platform Subscriptions

2.1 Units of Measure and Purchasing Requirements. Table 2 sets forth the Unit of measure and Supported Use Cases for Red Hat Ansible Automation Platform Subscriptions. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 2 below.

产品附录 1 的本附件 1.D. 适用于贵方使用 Red Hat Satellite、Red Hat Ansible 产品系列及相关商品/服务。

1. Red Hat Satellite 和 Red Hat Capsule

1.1 Red Hat Satellite。Red Hat Satellite 是一种基础设施管理产品，适用于 Red Hat Enterprise Linux 和其他红帽基础设施环境，包括五十 (50) 项系统授权，用于 Red Hat Satellite 管理组件，或 Red Hat Satellite Capsule 以及访问红帽的一个或多个门户。

1.2 计量单位和购买要求。贵方须根据下表 1 中所述单位和有支持服务的用例，购买适当数量和类型的 Red Hat Satellite订阅。

表 1

红帽产品	单位	有支持服务的用例
Red Hat Satellite、Red Hat Satellite Capsule 和 Red Hat Satellite Proxy（含在Red Hat Satellite订阅中）	系统	在作为服务器的系统或物理节点上使用时，红帽仅提供 Red Hat Satellite、Red Hat Satellite Capsule 或 Red Hat Satellite Proxy 的订阅服务。当与 Red Hat Satellite 一起部署时，红帽仅提供 Red Hat Satellite Capsule 和 Red Hat Satellite Proxy 的订阅服务。 Red Hat Satellite包括一个Red Hat Enterprise Linux订阅，用于运行Red Hat Satellite。
Red Hat Satellite（以前称为Red Hat Smart Management）	受管节点	Red Hat Satellite Capsule 、Red Hat Satellite Proxy 和/或 Red Hat Satellite 所管理的 Red Hat Enterprise Linux 的每个单位，均要求 Red Hat Satellite权利。Red Hat Satellite权利可直接通过红帽门户使用。
Red Hat Satellite for non-RHEL	受管节点	Red Hat Satellite Capsule 、Red Hat Satellite Proxy 和/或 Red Hat Satellite 所管理的 non-RHEL 的每个单位，均要求 Red Hat Satellite for non-RHEL 权利。红帽仅提供 Red Hat Satellite功能支持，不支持 non-RHEL 所管理节点的安装、配置、连接或其他一般用途。Red Hat Satellite权利可直接通过红帽门户使用。

2. Red Hat Ansible Automation Platform 订阅

2.1 计量单位和购买要求。表 2 列出了 Red Hat Ansible Automation Platform 订阅的计量单位和有支持服务的用例。贵方须根据表 2 中所述单位和其他服务参数，购买适当数量和类型的此等订阅。

Table 2

Red Hat Product	Unit	Supported Use Case
Red Hat Ansible Automation Platform	Managed Node (see Note 1)	Red Hat only provides Subscription Services for Red Hat Ansible Automation Platform Software (a) when used on a system that is a server, (b) on platforms that are Supported Configurations and (c) additional components identified in Section 2.2 below. Red Hat Ansible Automation Platform includes a subscription for Red Hat Enterprise Linux or Red Hat OpenShift Container Platform for the purposes of running Red Hat Ansible Automation Platform. Support of Red Hat Ansible Automation Platform does not include the creation, maintenance, support or services related to customer playbooks and/or roles, or Ansible Project Software (collectively the "**Ansible Use Case**").
Red Hat Ansible Automation Platform Academic Site Subscription	FTEs	
Red Hat Ansible Developer	Managed Node (see Note 1)	A subset of Red Hat Ansible Automation Platform is provided and supported only with command line (no user interface) functionality for Development Use as defined in Section 1.2(c) above. Ansible Use Case
Red Hat Ansible Automation Platform for Server Out of Band Management	Managed Node (see Note 1)	Supported only for nodes running out of band remote management services on other systems. Ansible Use Case
Red Hat Ansible Automation Platform for Server OS	Managed Node (see Note 1)	Supported only when used to manage an operating system on a node. Ansible Use Case
Red Hat Ansible Private Partner Automation Hub	Deployment	Supported on Supported Configurations.

Note 1: Managed Node includes each Node managed by Ansible Automation during the term of the Subscription.

表 2

红帽产品	单位	有支持服务的用例
Red Hat Ansible Automation Platform	受管节点（见备注 1）	Red Hat Ansible Automation Platform 软件 仅(a) 在作为服务器的系统上使用时； (b) 在作为受支持配置的平台上使用时；以及 (c) 在下文第 2.2 节中规定的其他组件中使用时，红帽才会提供该软件的订阅服务。Red Hat Ansible Automation Platform 包括一个Red Hat Enterprise Linux 或 Red Hat OpenShift Container Platform 订阅，用于运行 Red Hat Ansible Automation Platform。 Red Hat Ansible Automation Platform 的支持不包括与客户手册和/或角色或 Ansible Project 软件有关的创建、维护、支持或服务（统称为“Ansible 用例”）。
Red Hat Ansible Automation Platform Academic Site Subscription	FTE	
Red Hat Ansible Developer	受管节点（见备注 1）	Red Hat Ansible Automation Platform 的子集仅提供和支持上述第 1.2(c) 节中定义的开发用途命令行（无用户界面）功能。 Ansible 用例
Red Hat Ansible Automation Platform for Server Out of Band Management	受管节点（见备注 1）	仅对于在其他系统上运行频带外远程管理服务的节点受支持。 Ansible 用例
Red Hat Ansible Automation Platform for Server OS	受管节点（见备注 1）	仅在用于管理节点上的操作系统时受支持。 Ansible 用例
Red Hat Ansible Private Partner Automation Hub	部署	在支持的配置上受支持。

备注 1：受管节点包括在订阅期限内由 Ansible Automation 管理的每个节点。

2.2 Red Hat Ansible Content. Red Hat Ansible Automation Platform Subscriptions provide access to additional software with varying levels of support as set forth at https://access.redhat.com/articles/3166901.

2.2 Red Hat Ansible 内容。 Red Hat Ansible Automation Platform 订阅提供对附加软件的访问，带有不同级别的支持，具体见 https://access.redhat.com/articles/3166901。

2.3 Ansible Lightspeed. Ansible Automation Platform includes an optional AI Feature to assist you in using Ansible Automation Platform ("**Ansible Lightspeed**"). Use of Ansible Lightspeed requires the separate purchase of IBM's watsonx Code Assistant ("**WCA**") from IBM and subject to a separate IBM agreement. To use Ansible Lightspeed, you need to install the Ansible Visual Studio Code extension and authenticate via your Red Hat account. Input, Suggestions, Modified

2.3 Ansible Lightspeed。 Ansible Automation Platform 包含一个可选的 AI 功能，可帮助贵方使用 Ansible Automation Platform ("**Ansible Lightspeed**")。若想使用 Ansible Lightspeed，贵方需要从 IBM 单独购买 IBM 的 watsonx Code Assistant ("**WCA**")，并遵守单独的 IBM 协议。要使用 Ansible Lightspeed，贵方需要安装 Ansible Visual Studio Code 扩展并通过贵方的红帽帐户进行身份验证。输入、建议、修改的建议以及与贵方使用 Ansible Lightspeed 相关的任何数据都将与

Suggestions, and any data associated with your use of Ansible Lightspeed will be shared with IBM to provide the Ansible Lightspeed functionality, and on an aggregated and anonymized basis, may be used by Red Hat and Red Hat's affiliated companies to further improve the services hereunder.

IBM 共享，以便提供 Ansible Lightspeed 功能，并可能由红帽和红帽的附属公司以合并和匿名形式进行使用，以进一步改进相关服务。

2.4 Red Hat Ansible Automation Platform Software Life Cycle. The supported life cycle for Red Hat Ansible Automation Platform Software is set forth at: https://access.redhat.com/support/policy/update_policies.

2.4 Red Hat Ansible Automation Platform 软件生命周期。关于 Red Hat Ansible Automation Platform 软件的有支持服务的生命周期，参见 https://access.redhat.com/support/policy/update_policies。

2.5 Red Hat Ansible Developer. Red Hat Ansible Developer is a Developer Subscription subject to Sections 2.2 and 2.4.1 of the Appendix.

2.5 Red Hat Ansible Developer。Red Hat Ansible Developer 是一种开发人员订阅，受附录第 2.2 和 2.4.1 节的约束。

3. Red Hat Advanced Cluster Management for Kubernetes Software Subscriptions

Table 3 sets forth the Unit of measure, Capacity and Supported Use Cases for Red Hat Advanced Cluster Management for Kubernetes. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 3 below.

3. Red Hat Advanced Cluster Management for Kubernetes 软件订阅

表 3 列出了 Red Hat Advanced Cluster Management for Kubernetes 的计量单位、容量和有支持服务的用例。贵方须根据下表 3 中所述单位和其他参数，购买适当数量和类型的软件订阅。

Table 3

Software Subscription	Unit	Capacity	Supported Use Case
Red Hat Advanced Cluster Management for Kubernetes	Core Band	Two (2) Core Or Four (4) vCPUs	This product is supported when used in connection with Red Hat OpenShift platforms.
Red Hat Advanced Cluster Management for Kubernetes (Bare Metal Node)	Physical Node	Socket-pair with up to 128 Cores	This product is supported when used in connection with Red Hat OpenShift platforms when running on a Physical Node.
Red Hat Advanced Cluster Management for Kubernetes for IBM Power, LE	Virtual Node	One (1) Virtual Node with two (2) Cores	Supported for the ACM Use Case running on an IBM Power system.
Red Hat Advanced Cluster Management for Kubernetes for IBM Z and IBM LinuxONE	Virtual Node	One (1) Virtual Node with one (1) Core	Supported when deployed on Red Hat supported KVM hypervisor running in an IBM Z IFL. ACM Use Case

表 3

软件订阅	单位	容量	有支持服务的用例
Red Hat Advanced Cluster Management for Kubernetes	核心频带	两 (2) 个核心 或者 四 (4) 个 vCPU	与 Red Hat OpenShift Platform 结合使用时，该产品受支持。
Red Hat Advanced Cluster Management for Kubernetes（裸金属节点）	物理节点	插槽对 最多支持 128 个核心	当在物理节点上运行时，与 Red Hat OpenShift Platform 结合使用时，该产品受支持。
Red Hat Advanced Cluster Management for Kubernetes for IBM Power, LE	虚拟节点	一 (1) 个虚拟节点，支持两 (2) 个核心	在 IBM Power 系统上运行的 ACM 用例受支持。
Red Hat Advanced Cluster Management for Kubernetes for IBM Z and IBM LinuxONE	虚拟节点	一 (1) 个虚拟节点，支持一 (1) 个核心	当部署在红帽支持的 KVM 管理程序上并在 IBM Z IFL 中运行时受支持。 ACM 用例

3.1 Red Hat Advanced Cluster Management Supported Configurations and Software Life Cycle. The supported configurations and life cycle for Red Hat Advanced Cluster Management is set forth at: https://access.redhat.com/articles/6968787.

3.1 Red Hat Advanced Cluster Management 支持的配置和软件生命周期。Red Hat Advanced Cluster Management 支持的配置和生命周期见 https://access.redhat.com/articles/6968787。

4. Red Hat Advanced Cluster Management for Virtualization Software Subscriptions

Table 4 sets forth the Unit of measure, Capacity and Supported Use Cases for Red Hat Advanced Cluster Management for Virtualization. You must purchase the appropriate number and type of these Subscriptions based on the Unit and other parameters described in Table 4 below.

4. Red Hat Advanced Cluster Management for Virtualization 软件订阅

表 4 列明了 Red Hat Advanced Cluster Management for Virtualization 的计量单位、容量和有支持服务的用例。贵方必须根据下方表 4 中所述的单位和其他参数购买适当数量和类型的这些订阅。

Table 4

Software Subscription	Unit	Capacity	Supported Use Case
Red Hat Advanced Cluster Management for Virtualization	Physical Node	Socket-pair with up to 128 Cores	Supported to manage Red Hat OpenShift Virtualization Engine. ACM Use Case

表 4

软件订阅	单位	容量	有支持服务的用例
Red Hat Advanced Cluster Management for Virtualization	物理节点	插槽对 最多支持 128 个核心	支持管理 Red Hat OpenShift Virtualization Engine。 ACM 用例

5. Unit of Measure and Purchasing Requirements for Red Hat Advanced Cluster Security for Kubernetes.

Table 5 sets forth the Units of Measure, Capacity limitations and Supported Use Cases for Red Hat Advanced Cluster Security for Kubernetes. You must purchase the appropriate number and type of Software Subscription(s) for each Unit, based on the Unit and other parameters described in Table 5.

Red Hat Advanced Cluster Security for Kubernetes 的计量单位和购买要求。

表 5 列明了 Red Hat Advanced Cluster Security for Kubernetes 的计量单位、容量限制和有支持服务的用例。贵方必须根据表 5 中所述的单位和其他参数为每个单位购买适当数量和类型的软件订阅。

Table 5

Software Subscription	Unit of Measure	Capacity	Supported Use Case
Red Hat Advanced Cluster Security for Kubernetes	Core Band	Two (2) Core Or Four (4) vCPUs	Red Hat Advanced Cluster Security for Kubernetes is supported when analyzing workloads running on current versions of Red Hat OpenShift Container Platform, Red Hat OpenShift for Kubernetes Engine and certain other Kubernetes implementations on Supported Configurations as set forth below. The Central (defined below) management platform is supported as set forth in Table 4.1.1 below ("ACS Use Case").
Red Hat Advanced Cluster Security for Kubernetes (Bare Metal Node)	Physical Node	Socket-pair with up to 128 Cores	
Red Hat Advanced Cluster Security for Kubernetes for IBM Power, LE	Virtual Node	One (1) Virtual Node with two (2) Cores	Supported for the ACS Use Case running on an IBM Power system.
Red Hat Advanced Cluster Security for IBM Z	Virtual Node	One (1) Virtual Node with one (1) Core	Supported when deployed on Red Hat supported KVM hypervisor running in an IBM Z IFL. ACS Use Case

表 5

软件订阅	计量单位	容量	有支持服务的用例
Red Hat Advanced Cluster Security for Kubernetes	核心频带	两 (2) 个核心 或 四 (4) 个 vCPU	分析以下列明的受支持配置上的 Red Hat OpenShift Container Platform、Red Hat OpenShift for Kubernetes Engine 以及某些其他 Kubernetes 实施的当前版本上运行的工作负载时，Red Hat Advanced Cluster Security for Kubernetes 将受支持。如下面的表 4.1.1 所示，支持 Central（定义如下）管理平台（"ACS 用例"）。
Red Hat Advanced Cluster Security for Kubernetes（裸金属节点）	物理节点	插槽对 最多支持 128 个核心	
Red Hat Advanced Cluster Security for Kubernetes for IBM Power, LE	虚拟节点	一 (1) 个虚拟节点， 支持两 (2) 个核心	在 IBM Power 系统上运行的 ACS 用例受支持。

Red Hat Advanced Cluster Security for Kubernetes for IBM Z and IBM LinuxONE	虚拟节点	一 (1) 个虚拟节点，支持一 (1) 个核心	当部署在红帽支持的 KVM 管理程序上并在 IBM Z IFL 中运行时受支持。 ACS 用例

5.1 Supported Configurations for Red Hat Advanced Cluster Security for Kubernetes. The supported configurations and life cycle for Red Hat Advanced Cluster Security is set forth at: https://access.redhat.com/node/5822721.

5.1 Red Hat Advanced Cluster Security for Kubernetes的支持配置。Red Hat Advanced Cluster Security 的配置和生命周期见 https://access.redhat.com/node/5822721。

EXHIBIT 1.E
SUPPORT SUBSCRIPTIONS

附件 1.E
支持订阅

This Exhibit 1.E. to Product Appendix 1 governs your use of supplemental Support Subscriptions.

产品附录 1 的本附件 1.E 适用于贵方使用追加的支持订阅。

1. Technical Account Management ("TAM") Service

The TAM Service is a Support Subscription that you may purchase in addition to your underlying Standard or Premium Software Subscription in order to receive enhanced Support. The TAM Service does not include support for (1) Self-support Software Subscriptions, (2) any Unit of Software (such as a System, Physical Node, Core, etc.) for which you do not have an active paid Subscription or (3) any Subscription for which support is provided by a Business Partner. When you purchase a TAM Service, you receive access to a Red Hat support engineer to provide you with (a) access to Red Hat's technology and development plans, including beta testing and bug/feature escalation, (b) weekly review calls, (c) up to two (2) on-site technical review visits per year for each full one year TAM subscription term, (d) up to four Support Contacts, (e) quarterly service performance metrics via the TAM electronic dashboard, and (f) a subscription to Red Hat's TAM monthly newsletter.

1. 技术客户管理 ("TAM") 服务

TAM 服务是一项支持订阅，除了基础的标准或高级软件订阅之外，贵方还可以购买该订阅来获得增强的支持。TAM 服务不包括对以下内容的支持：(1) 自助软件订阅，(2) 任何贵方不具备有效且已付费订阅的软件单元（如系统、物理节点、核心等）或 (3) 任何由商业伙伴提供支持的订阅。购买 TAM 服务时，红帽支持工程师将为贵方服务，他们将向贵方提供 (a) 红帽的技术和开发计划，包括 beta 测试和错误/功能升级，(b) 每周一次的审核电话，(c) 在每个一整年的 TAM 订阅期内，每年最多进行两 (2) 次现场技术审查访问；(d) 最多四个支持联系人；(e) 通过 TAM 电子仪表板衡量季度服务性能指标；以及 (f) 订阅红帽的 TAM 每月新闻通讯。

Support Subscription	Unit Description
TAM Service Dedicated TAM Service TAM Extension Enterprise TAM Technical Relationship Management Service	**Point of Contact:** a Red Hat associate whom you are authorized to contact to request support for a particular team, geography or Red Hat product line.

支持订阅	单位说明
TAM 服务 专用 TAM 服务 TAM 延伸 企业 TAM 技术关系管理服务	**联系人：**授权贵方在要求获得针对特定团队、地区或红帽产品系列的支持时可联系的红帽同事。

1.1 TAM Service Coverage. Each TAM Service Subscription will be limited to, a region, a customer team and a product line and will be listed in the Order Form. If not listed, the parameters will be established upon the initiation of the TAM Service.

(a) **Regions:** North America, Latin America, EMEA, Asia-Pacific (excluding Japan, China and India), China, India or Japan.

(b) **Customer Team:** The customer team supported by the TAM, such as your development team, your system administration team, your support team, etc.

(c) **Red Hat Product Line:** The supported Red Hat product line, such as the Red Hat Enterprise Linux, Red Hat AI Platforms, Red Hat JBoss Application Services, Red Hat OpenShift Container Platform, Red Hat Storage, Red Hat Ansible or Red Hat Cloud product lines.

1.2 TAM Service Level. The TAM Service is offered during local Red Hat Support Standard Business Hours as set forth at https://access.redhat.com/support/contact/technicalSupport.html (based on the physical location of the TAM representative).

1.1 TAM 服务范围。每个 TAM 服务订阅将限于区域、客户团队和产品系列，并列示于订单中。如果未列示于订单中，则于 TAM 服务开始时确立参数。

(a) **区域：**北美洲、拉丁美洲、中东、欧洲及非洲、亚太地区（不包括日本、中国和印度）、中国、印度或日本。

(b) **客户团队：**TAM 所支持的客户团队，比如贵方的开发团队、贵方的系统管理团队、贵方的支持团队等。

(c) **红帽产品线：**受支持的红帽产品线，例如 Red Hat Enterprise Linux、Red Hat AI Platforms, Red Hat JBoss Application Services、Red Hat OpenShift Container Platform、Red Hat Storage、Red Hat Ansible 或 Red Hat Cloud 产品线。

1.2 TAM 服务级别。TAM 服务在 https://access.redhat.com/support/contact/technicalSupport.html 所列当地红帽支持标准工作时间内提供（根据 TAM 代表所处物理位置）。

2. Other TAM Subscriptions

2.1 Dedicated TAM Service. The Dedicated TAM Service is the assignment of a Red Hat resource dedicated to you for TAM Services, provided Red Hat may use a non-dedicated resource for personal time off, training and initially, until a dedicated resource is assigned.

2. 其他 TAM 订阅

2.1 专用 TAM 服务。专用 TAM 服务是分配给贵方的 TAM 服务的专用 Red Hat 资源，但红帽可将非专用资源用于个人休假、培训以及专用资源分配前的最初阶段。

2.2 **TAM Extension Service.** The TAM Extension Service is an extension of a Red Hat Enterprise Linux TAM Service to provide additional technical knowledge such as SAP implementations on Red Hat Enterprise Linux. The TAM Extension Service requires a separate active and paid standard TAM Service Subscription.

2.3 **Enterprise TAM Service.** The Enterprise TAM Service provides TAM Services for multiple Red Hat product lines, as mutually agreed in writing, to a Client.

2.4 **Technical Relationship Management Service.** The Technical Relationship Management Service provides a subset of TAM Services that are primarily reactive services as set forth at: https://redhat.com/en/services/support/technical-relationship-management-service

3. Designated Support Engineer ("DSE") Service Subscription

The DSE Service is a Support Subscription that you may purchase in addition to your underlying Premium Software Subscription for a specific product line (e.g. Red Hat Enterprise Linux or OpenShift) in order to receive access to a designated Red Hat support engineer. The DSE Service does not include support for (1) Self-support or Standard Subscriptions, (2) any Unit of Software (such as a System, Physical Node, Core, etc.) for which you do not have an active paid Software Subscription or (3) any Subscription for which support is provided by a Business Partner. When you purchase a DSE Service, you receive access to a Red Hat support engineer to provide you with (a) weekly review calls, (b) up to six (6) Support Contacts and (c) quarterly service performance metrics.

4. Confirmed Stateside Support Subscriptions

Confirmed Stateside Support ("**CSS**") Subscriptions provide the applicable level of Support (Standard or Premium) in English via restricted, support resources in the United States for a specific Client account on Red Hat Portal ("**CSS Client Account**"). Each CSS Subscription will be limited to a specific CSS Client Account. All support requests for CSS Covered Subscriptions must be submitted to the Red Hat designated CSS support contacts. Client agrees to only submit CSS Support requests for Red Hat Software Subscriptions identified as CSS Subscriptions. The CSS Subscription does not include support for (i) Self-support Subscriptions, (ii) any instance of Software for which you do not have an active paid Subscription; or (iii) any Subscription for which support is provided by a Business Partner. When you purchase the CSS Subscription, you receive access to a Red Hat support group to provide you with:

(a) Support accessed from the US and provided by US citizens;

(b) Logical and physical Client data separation from Red Hat's standard support systems for each CSS Client Account;

(c) Separate secured physical workspace for the CSS support personnel; and

(d) Triage based support to resolve known issues and create a sanitized support request ticket if escalation to standard non-CSS resources is required.

5. Developer Support Subscriptions

5.1 **Scope of Coverage.** For certainSoftware, Red Hat offers Developer Support Subscriptions. For each paid, active Developer Support Subscription, Red Hat will provide you with (a) access to the supported versions of the respective products through a Red Hat Portal; and (b) assistance for: (i) installation, usage and configuration support, diagnosis of issues, and bug fixes, but only for issues related to your use of such products for Development Use and (ii) advice concerning application architecture, application design, industry practices, tuning and application porting (collectively, "Developer Support"). Developer Support Subscriptions do not include support for (a) modified software packages, (b) wholesale application debugging or (c)

2.2 **TAM 延伸服务**。TAM 延伸服务是 Red Hat Enterprise Linux TAM 服务的延伸，以提供额外的技术知识，比如 Red Hat Enterprise Linux 上的 SAP 实施。TAM 延伸服务要求单独的有效且付费的标准 TAM 服务订阅。

2.3 **企业 TAM 服务。根据双方书面约定，**企业 TAM 服务将为客户提供多条红帽产品线的 TAM 服务。

2.4 **技术关系管理服务。**技术关系管理服务提供 TAM 服务子集，主要包括响应式服务，详见 https://redhat.com/en/services/support/technical-relationship-management-service。

3 指定支持工程师 ("DSE") 服务订阅

DSE 服务是一种支持订阅，贵方可以购买该订阅来补充贵方的特定产品系列（例如，Red Hat Enterprise Linux 或 OpenShift）的基础高级软件订阅，以获得指定红帽支持工程师的服务。DSE 服务不包括对以下内容的支持：(1) 自助或标准订阅，(2) 任何贵方不具备有效且已付费软件订阅的软件单位（例如系统、物理节点、核心等），或 (3) 任何由商业伙伴提供支持的订阅。当贵方购买DSE 服务时，贵方可以获得红帽支持工程师服务，其将向贵方提供 (a) 每周电话回访服务，(b) 最多六 (6) 个支持联系人，以及 (c) 季度服务绩效指标。

4 确认的美国本土支持订阅

确认的美国本土支持（"**CSS**"）订阅是指下述软件订阅：通过在美国的受限支持资源，使用英语为红帽门户上的特定客户端帐户（"**CSS 客户端帐户**"）提供适用级别的支持（标准级或高级）。各 CSS 订阅将仅限于特定的 CSS 客户端帐户。关于 CSS 所涵盖订阅的所有支持请求都必须提交至红帽指定的 CSS 支持联系人。客户同意仅就确定为 CSS 订阅的红帽软件订阅提交 CSS 支持请求。CSS 订阅不包括对以下内容的支持：(i) 自助订阅，(ii) 任何贵方不具备有效且已付费订阅的软件实例；或 (iii) 任何由商业伙伴提供支持的订阅。购买 CSS 订阅时，红帽支持小组将为贵方提供下述服务：

(a) 从美国访问及由美国公民提供的支持；

(b) 与红帽的各 CSS 客户端帐户标准支持系统分开的逻辑和物理客户机数据；

(c) 单独的安全物理工作区，用于 CSS 支持人员；以及

(d) 基于会审的支持用于解决已知的位置，并且在需要升级到标准非 CSS 资源时，创建净化的支持请求票证。

5 开发人员支持订阅

5.1 **服务范围。**对于某些软件，红帽提供开发人员支持订阅。对于每个付费的、有效的开发人员支持订阅，红帽将为贵方提供 (a) 通过红帽门户访问有支持服务版本的相应产品；以及 (b) 提供以下方面的帮助：(i) 安装、使用和配置支持、问题诊断和漏洞修复，但仅限于与贵方将该等产品用于开发使用相关的问题；以及 (ii) 有关应用程序架构、应用程序设计、行业实践、调优和应用程序移植的建议（统称"开发人员支持"）。开发人员支持订阅不包括对以下内容的支持：(a) 被修改的软件包；(b) 批发应用程序调试；或 (c) Red Hat Extras 储存库、补充频道中包含的软件、预览技术或从社区网站获得的软件。对于 Red Hat Application Services 和/或 Red Hat OpenShift

software included in the Red Hat Extras repository, supplementary channels, preview technologies or software obtained from community sites. For Red Hat Application Services and/or Red Hat OpenShift Developer Support Subscriptions Developer Support is provided for up to one hundred (100) developers provided all support requests will be made by up to two (2) named Client contacts.

Developer Support Subscription，最多为一百 (100) 名开发人员提供开发人员支持，前提是，所有支持请求都将由不超过两 (2) 名指定的客户联系人提出。

5.2 **Red Hat Developer Support Subscription Levels.** You may purchase Professional (two (2) business day response time) or Enterprise (four (4) Standard Business Hours response time) with web and phone support for an unlimited number of requests for Red Hat Developer Support Subscriptions.

5.2 **红帽开发人员支持订阅级别。**对于红帽开发人员支持订阅，贵方可购买带有网络和电话支持的专业级（响应时间为两 (2) 个工作日）或企业级（响应时间为四 (4) 个标准工作小时），以获得不限次数的请求。

6. Red Hat Partner Support Subscriptions

6 红帽合作伙伴支持订阅

6.1 **Scope of Coverage**. Red Hat Partner Subscriptions make certain Subscriptions available to partners for Development Use. Red Hat Partner Support Subscriptions provide support to a specified number of partner contacts. For each paid, active Red Hat Partner Support Subscription, Red Hat will provide (a) access to the supported versions of the respective products through a Red Hat Portal; and (b) assistance with installation, usage and configuration, diagnosis of issues, and bug fixes, but only consistent with Development Use. Red Hat Partner Support Subscriptions do not include support for (a) modified software packages, (b) wholesale application debugging or (c) software included in the Red Hat Extras repository, supplementary channels, preview technologies or software obtained from community sites.

6.1 **服务范围。**红帽合作伙伴订阅使某些订阅可供合作伙伴用作开发用途。红帽合作伙伴支持订阅为指定数量的合作伙伴联系人提供支持。对于每个付费且有效的红帽合作伙伴支持订阅，红帽将提供：(a) 通过红帽门户访问相应产品的支持版本；以及 (b) 在安装、使用和配置支持、问题诊断和漏洞修复方面提供帮助，但仅限与符合开发用途的问题。红帽合作伙伴支持订阅不包括对以下内容的支持：(a) 已修改软件包；(b) 批发应用程序调试；或 (c) Red Hat Extras 储存库、补充频道、预览技术中包含的软件或从社区网站获得的软件。

6.2 **Red Hat Partner Support Subscription Levels.** You may purchase Standard or Premium Partner Support Subscriptions as set forth at https://access.redhat.com/support/offerings/production/sla.

6.2 **红帽合作伙伴支持订阅级别。**贵方可购买标准或高级合作伙伴支持订阅，详情请见 https://access.redhat.com/support/offerings/production/sla。