Red hat Satellite server

**Standard Operating Procedure (SOP) Document**

Submitted To

A close up of a logo

Description automatically generated

By

Integrated Services Transition

Wipro Technologies

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Revision History

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1. Purpose

The purpose of the document is to register and extend the Red hat satellite.

* 1. Scope of Service/BUs

Red Hat Satellite is a system management solution that enables users to deploy, configure, and maintain systems across cloud environments.

* 1. Prerequisites

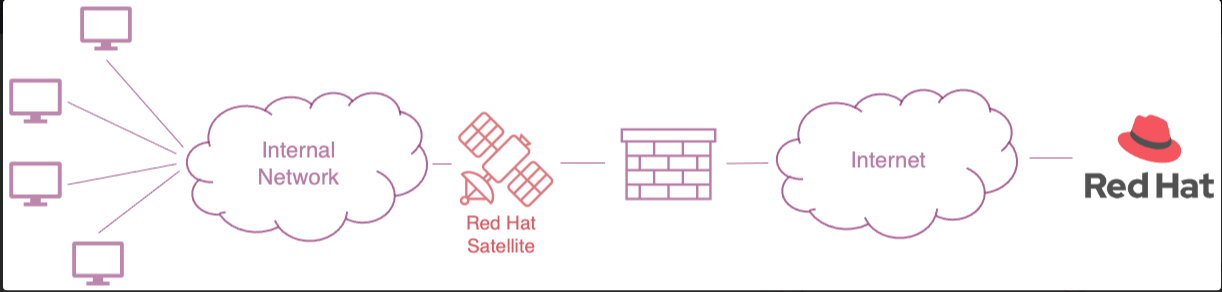
While most Linux systems are registered to Satellite during the bootstrap process, some workloads require post-deployment registration.

1. Standard Operating Procedure

Table 1: Table Description

|  |  |  |
| --- | --- | --- |
| Sr. No | Server Name | Server Function |
| 01 |  |  |
| 02 |  |  |
| 03 |  |  |

Figure 1: Screenshot Description



**Satellite Registration:**

sudo bash -c "$(curl -fsSL https://binary.entrust.com:8443/artifactory/infra-tools/devReg.sh)"

**Satellite Extended Update Support (EUS):**

1. subscription-manage repos --disable=\*eus\*

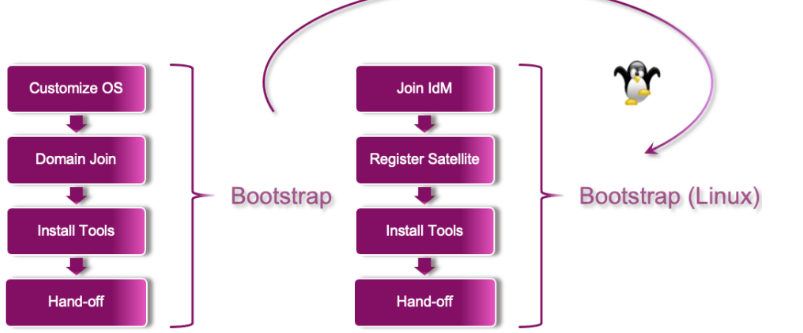
**Note:** EUS repos are used on minor versions. All the latest updates are through non-EUS, App Stream, and Base OS repos.

**To set minor version and enable EUS, use the following commands:**

1. subscription-manager release --list
2. subscription-manager release --set=8.9(e.g.)
3. subscription-manager release --show
4. subscription-manage repos --enable=\*eus\* (or specific eus repos)

**Bootstrap (Linux):**

When an Entrust IT (EIT) supported Linux [template](https://entrustdatacardcorp.sharepoint.com/sites/ECC/SitePages/ECC-Templates.aspx) is deployed, the Linux bootstrap (script) is triggered by a *system*d service when the VM is initially powered on.



The Linux bootstrap process includes the following steps:

**Step 1**: Reset network configuration

**Step 2**: Register system to (on-prem) Satellite

**Step 3**: Attach release-based subscriptions

**Step 4**: Install IPA client (identity and authentication)

**Step 5**: Enrol in IdM realm (idm.dev.entrust.com)

**Step 6**: Add patch management (ssh) key

**Step 7**: Install Summit AI (asset management)

**Step 8**: Install Salt minion (config management)

**Step 9**: Onboard to Defender (endpoint security)

The command below in the right pane view triggers the Linux development bootstrap process.

sudo bash -c "$(curl -fsSL https://binary.entrust.com:8443/artifactory/infra-tools/devbootstrap.sh)"

1. Appendix – Glossary of Terms

Table 58: Glossary

| Abbreviation | Description |
| --- | --- |
| PCS | Private Cloud Services |
| DC | Datacenter |
| DR | Disaster Recovery |
| EIS | Enterprise information Solutions |
| HA | High Availability |
| LUN | Logical Unit Number |
| OS | Operating System |
| UCS | Unified Computing System |
| RAID | Redundant Array Inexpensive Disks |
| SAN | Storage Area Network |
| vSAN | Virtual SAN |
| vCenter | Virtual Center Server |
| vCPU | Virtual Processor |
| VM | Virtual Machine |
| vNIC | Virtual Network Card |
| VMNIC | ESXi Host Physical Network Card |
| vRAM | Virtual Memory |
| NIC | Physical Network Interface Card |
| CPU | Central Processing Unit |
| HBA | Host Bus Adapter |
| WWN | Worldwide Name |
| PROD | Production |
| AD | Active Directory |
| SRM | Site Recovery Manager |
| CMDB | Configuration management database |
| DMZ | De-Militarized Zone |
| DNS | Domain name server |
| EUC | End User Computing |
| FQDN | Fully qualified domain name |
| HTTP | Hyper-text transfer protocol |
| HTTPS | Hyper-text transfer protocol secure |
| IM | Instant Messaging |
| KAP | Knowledge Acquisition Phase |
| KPI | Key Performance Indicator |
| KT | Knowledge Transition |
| LAN/ WAN | Local Area Network/Wide Area Network |
| NTP | Network Threat Protection |
| SLA | Service Level Agreements |
| SMTD | System Maintenance & Technical Document |
| SNMP | Simple network monitoring protocol |
| SOW | Statement of Work |
| vSS | Virtual Standard Switch |
| SSL | Secure Socket Layer |
| SSO | Single Sign On |
| vDS | Virtual Distributed Switch |
| TCP | Transmission control protocol |
| vROPs | vRealize Operations Manager |
| RDC | Regional Data Center |
| VR | vSphere Replication |
| FI`s | Fabric Interconnects |
| FEX | Fabric Extenders |
| CIMC | Cisco integrated management controller |
| TCP | Transmission control protocol |
| TCP/ IP | Transmission Control Protocol /Internet Protocol |