

# SAP Updates for 4.17.01

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## SUSE installation

### Added support for SUSE 12.1

- For Edge: SUSE 12.1 is supported only for new installs of 4.17.01 and updates from 4.16.09, not updates from 4.16.05. For upgrades, you still need SUSE 11.
- For Portal: Installs PHP 7 for SUSE 12.1, and 5.6 for SUSE 11

You will have to add this to your requirements doc - we do not publicly list SUSE as a supported operating system.

### Change command to stop iptables

On this page, <http://docs.apigee.com/private-cloud/latest/installation-requirements>, the command on SUSE to stop iptables is:

```
> /sbin/rcSuSEfirewall12 stop
```

### No need to stop SELinux on SUSE

You can remove the section "Prerequisite: Disable SELinux" from this page:

<http://docs.apigee.com/private-cloud/latest/install-edge-apigee-setup-utility>

## Set the Brand option

To install Edge on SUSE for SAP, you have to add the `Brand` property to the silent config file for both Edge and API BaaS, in the form:

```
# Specify the SAP-branded UI
BRAND=sap
```

You have to add that option to all the config files on these pages:

- <http://docs.apigee.com/private-cloud/latest/install-edge-components-node>
- <http://docs.apigee.com/private-cloud/latest/7-host-and-10-host-api-baas-installation>
- <http://docs.apigee.com/private-cloud/latest/developer-services-portal-installation>

## SUSE installer does not install JDK

`JAVA_FIX=I` does not work on SUSE. You must install a JDK from Oracle manually before you install Edge.

Remove the reference to `JAVA_FIX` on this page:

<http://docs.apigee.com/private-cloud/latest/install-edge-apigee-setup-utility>

## bootstrap file named bootstrap-suse\_4.17.01.sh

The file used to install the Edge apigee-setup utility is named `bootstrap-suse_4.17.01.sh`. You have to rename that file globally from:

```
bootstrap_4.17.01.sh
```

On this page: <http://docs.apigee.com/private-cloud/latest/install-edge-apigee-setup-utility>

## Set address space as unlimited

On this page, <http://docs.apigee.com/private-cloud/latest/install-edge-apigee-setup-utility>, after the section "Prerequisite: Disable SELinux", add the following section:

### **Prerequisite: Set address space as unlimited**

On every node, make the following change in `/etc/security/limits.conf` before you install Edge:

1. Open `/etc/security/limits.conf` in an editor:
2. Add the following two lines:

```
* soft as unlimited
```

```
* hard as unlimited
```

3. Save the file.
4. Reboot the node.

## Configure Routers post install

Add the following section to <http://docs.apigee.com/private-cloud/latest/install-edge-components-node> after the section "Binding the Router to a protected port".

### Configuring Routers after installation

After you install an Edge Router, you must configure it by setting the

`conf_load_balancing_load.balancing.driver.nginx.fallback.server.conf` property in the `router.properties` file. To configure the Router:

1. Edit the `<inst_root>/apigee/customer/application/router.properties` file. If that file does not exist, create it.
2. Set the `conf_load_balancing_load.balancing.driver.nginx.fallback.server.conf` property to `/dev/null` as shown below:

```
conf_load_balancing_load.balancing.driver.nginx.fallback.server.conf=/dev/null
```

3. Delete any files in `/opt/nginx/conf.d`:

```
> rm -f /opt/nginx/conf.d/*
```

4. Restart the Edge Router:

```
> <inst_root>/apigee/apigee-service/bin/apigee-service edge-router restart
```

After you add this section, add a new step to all of the installation procedures in the section "Order of component installation". The new step links to this procedure, and goes just before the step to test the installation.

For example, for the "All-in-one installation" procedure:

2. Configure the Router as described in [Configuring Routers after installation](#).
3. Test the installation as described at [Test the install](#).

## Local repos and SUSE

Because you cannot mirror the Apigee repo on a SUSE, add this section to the page <http://docs.apigee.com/private-cloud/latest/install-edge-apigee-setup-utility>, after the section "Install Edge apigee-setup utility on a node with no external Internet connection":

### Local repos not supported for SUSE

You cannot mirror the Apigee repo on a SUSE node because SUSE does not support yum-utils. As an alternative, install the Apigee repo on a RedHat or CentOS machine and then mount the mirror for access by a SUSE node.

Then, add this note under the section "Create a local Apigee repository" on the same page:

### Create a local Apigee repository

**Note:** You can only create a local repo on a RedHat or CentOS node.

You have to also do this on the following pages:

- <http://docs.apigee.com/private-cloud/latest/update-apigee-edge-4160141605-41701>
- <http://docs.apigee.com/private-cloud/latest/update-apigee-edge-41701>

## Common Zypper commands

On this page, <http://docs.apigee.com/private-cloud/latest/installation-overview>, replace the section "Common Yum commands" with this section:

### Common Zypper commands

The Edge installation tools for SUSE rely on Zypper to install and update components. You might have to use several Zypper commands to manage an installation on a node.

- Clean all Zypper caches:

```
sudo zypper clean
```

- To update an Edge component:

```
sudo zypper update componentName
```

For example:

```
sudo zypper update apigee-setup  
sudo zypper update edge-management-server
```