

SAP Updates for 4.18.01

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Know issue

There is one known issue that applies to all new Edge and Developer Services portal installations and updates on SUSE. All Edge and Developer Services portal installations and updates must perform the following steps.

Before you install or update on SUSE:

1. **For SUSE 12 SP2:** ensure you have access to the correct version of `apigee-nginx`. Before you install Edge, run the following command:

```
> zypper info apigee-nginx
```

If it returns **Version 1.12.1-4**, then you are set to continue.

If it returns **Version 1.10.1-5**, then run the following command to update the version and check the version again:

```
> sudo registercloudguest
> zypper info apigee-nginx
```

Ensure that the Version is 1.12.1-4.

2. Check vendor information for an existing `postgresql*.rpm`:

```
> rpm -qa --qf '%{NAME}-%{VERSION}-%{RELEASE}.%{ARCH} %{VENDOR}\n' | grep ^postgresql
```

If the vendor is **not** `obs://build.opensuse.org/server:database`, proceed to step 2.

If the vendor is `obs://build.opensuse.org/server:database`, then you are done.

3. Update `/etc/zypp/zypp.conf` to enable `allowVendorChange`:

```
> echo "solver.allowVendorChange = true" >> /etc/zypp/zypp.conf
```

4. On all Postgres nodes:

- a. Create the `vendors.d` directory:

```
> mkdir -p /etc/zypp/vendors.d/
```

- b. Create the `opensuse.conf` file:

```
> vi /etc/zypp/vendors.d/opensuse.conf
```

- c. Add the following lines to the file:

```
[main]
vendors = obs://build.opensuse.org/
```

- d. Save the file.

5. Complete the installation or update.

After you complete the installation or update:

1. Disable `allowVendorChange`:

```
> sed -i '/^solver.allowVendorChange/d' /etc/zypp/zypp.conf
```

Fixed Issues

- PHP LDAP extension is now installed by default with portal (Bug 68001164)

The PHP LDAP extension is now installed by default when installing the portal on SUSE 12. This module makes enabling Drupal LDAP module easier.

If you are using SUSE 11, you can install the SUSE Web and Scripting Module to be able to install the PHP LDAP Module. For more information, see:
<https://www.suse.com/products/server/features/modules/>

SUSE installation

Add SUSE registration requirement

On this page, <http://docs.apigee.com/private-cloud/latest/installation-requirements>, note that you must have a registered copy of SUSE to make sure that you can install all required dependencies.

Added new API BaaS installation configuration parameter: SMTPMAILFROM

Edge 4.17.09 added a new required parameter to the configuration file used when you enable an SMTP server with API BaaS. You must now set `SMTPMAILFROM` in the configuration file when enabling the SMTP server as part of a new installation or as part of an upgrade.

See this page for more: <http://docs.apigee.com/private-cloud/latest/7-host-and-10-host-api-baas-installation>

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/rcSuSEfirewall2 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_4.17.09.sh

The file used to install the Edge apigee-setup utility is named `bootstrap-suse_4.17.09.sh`. You have to rename that file globally from:

```
bootstrap_4.17.09.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
```

Remove PHP version pre 5.6

On this page, <http://docs.apigee.com/private-cloud/latest/developer-services-portal-installation>, we tell customers to remove PHP versions before 7.0. For SUSE, that is version 5.6.

Change step in Drupal migration procedure from TAR based portals to RPM based

On this page, <http://docs.apigee.com/private-cloud/latest/convert-tar-based-portal-rpm-based-portal>, the procedures all reference the `/opt/apigee/data/apigee-drupal-devportal` directory. The SAP directory is:

```
/opt/apigee/data/apigee-sap-drupal-devportal
```