



1 Preliminary Checks

Run the checks below to determine if your cloud is prepared for upgrade.

- ☐ SLES 12 SP1 Maintenance Updates
- ☐ Cloud Services Health Check
- ☐ Pacemaker Health Check
- ☐ Ceph Health Check
- ☐ Compute Resources Available

Check

3 Begin Upgrade

Click on "Begin Upgrade" below to start the upgrade process.

Begin Upgrade

2 Upgrade Mode

After all checks are successful the upgrade mode of your cloud will be shown here...

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

☆

SUSE OpenStack Cloud : Upgrade 6-7

1

Preliminary Checks

Run the checks below to determine if your cloud is prepared for upgrade.

✔ SLES 12 SP1 Maintenance Updates

✔ Cloud Services Health Check

✔ Pacemaker Health Check

✔ Ceph Health Check

✔ Compute Resources Available

Check

2

Upgrade Mode

Your cloud is now prepared to begin the upgrade process in normal mode.

Proceed in Normal Mode

IMPORTANT!

In normal mode, the workloads running in each node will be live-migrated to another node. Note that you will lose connection to your VMs when upgrading the control node(s).

In order to proceed in non-disruptive mode your cloud needs to be Highly Available and have enough free compute resources. See the deployment guide for details.

Be sure to re-run the checks if you make any changes to your cloud after the initial run.

3

Begin Upgrade

Click on “Begin Upgrade” below to start the upgrade process.

Begin Upgrade

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

☆

SUSE OpenStack Cloud : Upgrade 6-7

1

Preliminary Checks

Run the checks below to determine if your cloud is prepared for upgrade.

✓

SLES 12 SP1 Maintenance Updates

✓

Cloud Services Health Check

✓

Pacemaker Health Check

✓

Ceph Health Check

✓

Compute Resources Available

Check

3

Begin Upgrade

Click on “Begin Upgrade” below to start the upgrade process.

Begin Upgrade

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

☆

SUSE OpenStack Cloud : Upgrade 6-7

1

Preliminary Checks

Run the checks below to determine if your cloud is prepared for upgrade.

✓

SLES 12 SP1 Maintenance Updates

✓

Cloud Services Health Check

✓

Pacemaker Health Check

✓

Ceph Health Check

✓

Compute Resources Available

Check

3

Begin Upgrade

Click on “Begin Upgrade” below to start the upgrade process.

Begin Upgrade

2

Upgrade Mode

Your cloud is now prepared to begin the upgrade process in normal mode.

Proceed in Normal Mode

IMPORTANT!
In normal mode, the workloads running in each node will be live-migrated to another node. Note that you will lose connection to your VMs when upgrading the control node(s).

In order to proceed in non-disruptive mode your cloud needs to be Highly Available and have enough free compute resources. See the deployment guide for details.

Be sure to re-run the checks if you make any changes to your cloud after the initial run.

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑 ⭐ 📷 🔄 ⚙ ⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Create a backup of the Administration Server configuration and download it in your browser.

This backup contains information about the cloud deployment and configuration. Keep this backup somewhere safe in case of emergency.

Download Backup of Administration Server

Cancel Upgrade

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Upgrading to SUSE OpenStack Cloud 7 requires updated software repositories for the Administration Server

Prepare the software repositories locally or via SMT and update the URLs in the Administration Server configuration correspondingly. Click “Check” to verify all repositories are available. When all repositories have been verified click on “Next” to proceed.

✔️ SUSE Linux Enterprise 12 SP2

❌ SUSE Linux Enterprise 12 SP2 Updates

⊖ SUSE Linux OpenStack Cloud 7

⊖ SUSE Linux OpenStack Cloud 7 Updates

⌛

Check

Cancel Upgrade

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Upgrade the Administration Server to SUSE OpenStack Cloud 7

Please wait until the Administration Server has been upgraded and rebooted.

IMPORTANT!
This process might take quite some time.
Please do not close the browser window or refresh the page.

Upgrade Administration Server

Cancel Upgrade

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Enter credentials and/or information to create or connect to a PostgreSQL database for the Crowbar database.

Create a Database

Connect to a Database

Server

myservername234.network.local.mycompany.

Port

54321

Table_Prefix (optional)

Username

myNämeüß

Password

.....

Connect to Database

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Enter credentials and/or information to create or connect to a PostgreSQL database for the Crowbar database

Create a Database

Connect to a Database

Username

myNämeüß

Password

.....

Create Database

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

🏠

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Upgrading to SUSE OpenStack Cloud 7 requires updated software repositories for all nodes

Prepare the software repositories locally or via SMT and update the URLs in the Administration Server configuration correspondingly. Click “Check” to verify all repositories are available. When all repositories have been verified click on “Next” to proceed.

✔️ SUSE Linux Enterprise 12 SP2

❌ SUSE Linux Enterprise 12 SP2 Updates

⊖ SUSE Linux OpenStack Cloud 7

⊖ SUSE Linux OpenStack Cloud 7 Updates

⊖ SUSE Linux Enterprise 12 SP2 HA

⊖ SUSE Linux Enterprise 12 SP2 HA Updates

⌛

Check

Next

SUSE OpenStack Cloud - Provided by SUSE

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create Crowbar Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Stop all OpenStack services and back up the OpenStack database.

It is imperative that during and after stopping the OpenStack services no changes are made to your cloud. Once created, the backup can be found at hostname://path/to/backup/file

⋮ Stop Services and Create Backup

✔ Services stopped

⋮ Backup created

Next

Index | SUSE® OpenStack Cloud x

Kenneth

crowbar.vi5.cloud.suse.de

🔑

☆

📷

🔄

⚙️

⋮

SUSE OpenStack Cloud : Upgrade 6-7

Download Backup of Administration Server

Check Administration Server Repositories

Upgrade Administration Server

Connect or Create OpenStack Database

Check Add-On & Node Repositories

Back up OpenStack Database

Upgrade Nodes & Reapply Barclamps

Begin upgrading and migrating nodes by clicking on the button below.

Depending upon the size of your cloud and workloads this process might take quite some time.

⌛ Upgrade Nodes

60 of 155 Nodes Upgraded

Current Node: xxx.xxx.xxx.xxx

Node Role: Compute (17 VMs)

Status: Migrating VMs

Next

SUSE OpenStack Cloud - Provided by SUSE