# Table of Contents

## Quick Start

1. Container Deployment
   1.1. Deploy Uyuni 2024.05 Server
   1.1.1. Software and Hardware Requirements for Uyuni
   1.1.2. Prepare the Physical Machine
   1.1.3. Install KVM Tools
   1.1.4. Setup KVM Network
   1.1.5. Acquire the openSUSE Leap Micro Image
   1.1.6. Container Host Preparation and Installation
   1.1.7. Update the system and Install Container Tools
   1.1.8. Deploy Uyuni with mgradm
   1.1.9. Optional: Synchronizing Products from SUSE Customer Center

2. Legacy Installation
   2.1. Install Uyuni Server with openSUSE Leap
       2.1.1. Software and Hardware Requirements
       2.1.2. Install Uyuni Server on openSUSE Leap
       2.1.3. Set up Uyuni Server with YaST
       2.1.4. Create the Main Administration Account
       2.1.5. Optional: Synchronizing Products from SUSE Customer Center
   2.2. Install Uyuni Proxy with openSUSE Leap
       2.2.1. Mirror Uyuni Proxy software
       2.2.2. Register the openSUSE Leap system
       2.2.3. Install Uyuni Proxy on openSUSE Leap
       2.2.4. Prepare the Proxy
       2.2.5. Set up the Proxy
       2.2.6. Configure DHCP for PXE through Proxy
       2.2.7. Reinstalling a Proxy
       2.2.8. More Information

3. GNU Free Documentation License
Quick Start

Updated: 2024-04-30

This guide shows you how to use deploy and configure a single Uyuni Server or Proxy.

It contains instructions for a selection of simple setup ups, workflows and some common use cases.

You can read Quick Start Guides for:

* **Container Deployment**
  * Quickstart › Container-deployment
  * Quickstart › Container-deployment

* **Legacy**
  * Quickstart › Legacy-installation
  * Quickstart › Legacy-installation
Chapter 1. Container Deployment

1.1. Deploy Uyuni 2024.05 Server

In this quickstart, you will embark on deploying Uyuni 2024.05 Server. There are several methods to accomplish this task.

You may opt to deploy it in the cloud, or deploy it on a local host running openSUSE Leap Micro or openSUSE Leap 15.5. However, for the purpose of this quickstart guide, we’ve chosen to focus on setting up a KVM environment, installed on openSUSE Leap with Gnome Desktop, as the initial step. Installation on openSUSE Leap Micro is done via the command line and is outside the scope of this quickstart.

1.1.1. Software and Hardware Requirements for Uyuni

This table shows the software and hardware requirements for deploying Uyuni Server on KVM. For the purposes of this guide expect to deploy on a virtual machine with 16GB of RAM, and at least 200 GB of disk space.

<table>
<thead>
<tr>
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<th>Recommended</th>
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<tr>
<td>Operating System:</td>
<td>openSUSE Leap 15.5: Clean installation, up-to-date</td>
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<tr>
<td>CPU:</td>
<td>Minimum 4 dedicated 64-bit x86-64CPU cores</td>
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<td>RAM:</td>
<td>Development server Minimum 16 GB</td>
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<tr>
<td></td>
<td>Production server Minimum 32 GB</td>
</tr>
<tr>
<td>Disk Space:</td>
<td>Disk space depends on your channel requirements,</td>
</tr>
<tr>
<td></td>
<td>at least 100 GB</td>
</tr>
<tr>
<td></td>
<td>50 GB per SUSE or openSUSE product and</td>
</tr>
<tr>
<td></td>
<td>360 GB per Red Hat product</td>
</tr>
<tr>
<td>Swap space:</td>
<td>3 GB</td>
</tr>
</tbody>
</table>

1.1.2. Prepare the Physical Machine

Install openSUSE Leap on a bare metal physical machine, or continue using your existing installation. See: Installing openSUSE Leap

For this guide you can also use Tumbleweed as the KVM host. However, keep in mind that openSUSE Leap 15.5 is officially supported.

Update the system:
1.1.3. Install KVM Tools

1. Install KVM server and kvm tools:

```
sudo zypper in -t pattern kvm_server kvm_tools
```

2. Reboot.

1.1.4. Setup KVM Network

This XML configuration builds a KVM subnet using the domain name of container.lab to setup a FQDN for your test server.

In a production environment your company’s administration services should provide you with a FQDN.

**Procedure: Setup the KVM Network**

1. Open the Virt Machine Manager GUI. In Gnome you can click the windows button on your keyboard and type in `virt-manager`. Alternatively you can open a command prompt and type: `virt-manager` and click the **[Enter]**.

2. Select **edit > Preferences**.

3. In Preferences under the General tab select the checkbox Enable XML editing. Click the close button when complete.

4. Double click QEMU/KVM text in the main window or select **Edit > Connection Details** to open the Connection Details window.

5. Select the Virtual Networks tab then the XML tab.

6. If the default network is running, stop it using the X button in the lower left.

7. Copy and paste the following XML snippet **beneath** your `<uuid>` block:
1.1.5. Aquire the openSUSE Leap Micro Image

Proceed to: Download openSUSE Leap Micro 5.5

Select and download the Offline Image, then move it to the default KVM image store:

```
cd Downloads/
sudo mv openSUSE-Leap-Micro-5.5-DVD-x86_64-Media.iso /var/lib/libvirt/images/
```

1.1.6. Container Host Preparation and Installation

*Procedure: Setup the Image in Virtual Machine Manager (Step 1)*

1. Open the Virtual Machine Manager and select File › New virtual machine.
2. In the New VM window select Local install media(ISO image or CDROM) and click [Forward].
3. Click the [Browse] Button. In the Volumes field select the openSUSE Leap Micro image you downloaded. Click [Choose Volume].
4. Uncheck the Automatically detect from the installation media/source and type micro in the Choose operating system you are installing field. Select SLE Micro 5.5. Click [Forward].
5. Set Memory to 16 GB and cpus to two. Click [Forward].
6. Click in the disk image size field and enter 200 GB. The default is 60.0 GB. Click [Forward].
7. Name the system uyuni-server. Next check the box Customize configuration before install. Click [Finish].
8. In the settings windows select the NIC device. In the Virtual Machine Manager primary window double click QEMU/KVM. Select the Virtual Networks tab. Select XML. Copy the mac address for the leapmicro machine.
9. Open the virtual machine settings page again and paste the MAC address into the MAC address field. Click [Apply]. Then select [Begin installation] in the upper left corner.

10. Procedure: openSUSE Leap Micro 5.5 Installation

11. Use the arrow keys to select Installation.

12. On the Language, Keyboard and license Agreement page click [Next].

13. On the NTP Configuration page click [Next].

14. On the Authentication for the System page enter a password for the root user. Click [Next].

15. On the Installation Settings page click [Install].

1.1.7. Update the system and Install Container Tools

1. Login at the prompt as root.

2. Run transactional-update:

   transactional-update

3. Reboot the system.

4. Login as root.

5. Enter the transactional shell:

   transactional-update shell

6. Add the container utility repository:

   zypper ar
   https://download.opensuse.org/repositories/systemsmanagement:/Uyuni:/Stable:/ContainerUtils/openSUSE_Leap_Micro_5.5/systemsmanagement:Uyuni:Stable:ContainerUtils.repo

7. Refresh the repository list and accept the key:

   zypper ref

8. Install the container tools:

   zypper in mgradm mgradr mgradm-bash-completion mgradl-bash-completion netavark

9. Reboot the host.
1.1.8. Deploy Uyuni with mgradm

Uyuni is deployed as a container using the mgradm tool. There are two methods of deploying a Uyuni server as a container. In this section we will focus on basic container deployment.

For information on using a custom configuration file to deploy see, Installation-and-upgrade › Container-management.

For additional information, you can explore further by running mgradm --help from the command line.

Procedure: Deploying an Uyuni container with Podman

1. From the terminal run the following command as root.

```bash
mgradm install podman
```

You must deploy the container as root. The following error will be displayed at the terminal if you miss this step. openSUSE Leap Micro by default uses the root account.

```
INF Setting up uyuni network
9:58AM INF Enabling system service
9:58AM FTL Failed to open /etc/systemd/system/uyuni-server.service for writing error="open /etc/systemd/system/uyuni-server.service: permission denied"
```

2. Input a password for the CA certificate, an administrative account password and your email for notifications:

```bash
leapmicro:~ # mgradm install podman
3:07PM INF Welcome to mgradm
3:07PM INF Executing command: podman
Password for the CA certificate to generate:
Administrator password:
Administrator's email: admin@example.com
```

3. The container will take some minutes to deploy.

4. Once complete open a browser and visit https://leapmicro.uyuni.lab to begin working with Uyuni.

1.1.9. Optional: Synchronizing Products from SUSE Customer Center

SUSE Customer Center (SCC) maintains a collection of repositories which contain packages, software and updates for all supported enterprise client systems. These repositories are organized into channels each of which provide software specific to a distribution, release, and architecture. After synchronizing with SCC, clients can receive updates, be organized into groups, and assigned to specific product software channels.
This section covers synchronizing with SCC from the Web UI and adding your first client channel.

For Uyuni, synchronizing products from SUSE Customer Center is optional.

Before you can synchronize software repositories with SCC, you will need to enter organization credentials in Uyuni. The organization credentials give you access to the SUSE product downloads. You will find your organization credentials in https://scc.suse.com/organizations.

Enter your organization credentials in the Uyuni Web UI:

**Optional Procedure: Entering Organization Credentials**

1. In the Uyuni Web UI, navigate to **Admin › Setup Wizard**.
2. In the **Setup Wizard** page, navigate to the **[Organization Credentials]** tab.
3. Click **[Add a new credential]**.
4. Enter a username and password, and click **[Save]**.

A check mark icon is shown when the credentials are confirmed. When you have successfully entered the new credentials, you can synchronize with SUSE Customer Center.

**Optional Procedure: Synchronizing with SUSE Customer Center**

1. In the Uyuni Web UI, navigate to **Admin › Setup Wizard**.
2. From the **Setup Wizard** page select the **[SUSE Products]** tab. Wait a moment for the products list to populate. If you previously registered with SUSE Customer Center a list of products will populate the table. This table lists architecture, channels, and status information.
3. If your SUSE Linux Enterprise client is based on x86_64 architecture scroll down the page and select the check box for this channel now.
4. Add channels to Uyuni by selecting the check box to the left of each channel. Click the arrow symbol to the left of the description to unfold a product and list available modules.
5. Click **[Add Products]** to start product synchronization.

When a channel is added, Uyuni will schedule the channel for synchronization. Depending on the number and size of this channels, this can take a long time. You can monitor synchronization progress in the Web UI.

For more information about using the setup wizard, see **Reference › Admin**.

When the channel synchronization process is complete, you can register and configure clients. For more instructions, see **Client-configuration › Registration-overview**.
Chapter 2. Legacy Installation

2.1. Install Uyuni Server with openSUSE Leap

Uyuni Server can be installed on openSUSE Leap.

- For information about the stable version of Uyuni, see https://www.uyuni-project.org/pages/stable-version.html.
- For information about the development version of Uyuni, see https://www.uyuni-project.org/pages/devel-version.html.
- For information about the latest version and updates of openSUSE Leap, see https://doc.opensuse.org/release-notes/.

2.1.1. Software and Hardware Requirements

This table shows the software and hardware requirements for installing an Uyuni Server on openSUSE Leap.

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2.1.2. Install Uyuni Server on openSUSE Leap

You can use a physical or virtual machine running openSUSE Leap to install the Uyuni Server. Configure a resolvable fully qualified domain name on the server before you begin, to ensure that the server is accessible across the network.

The Uyuni Server software is available from download.opensuse.org, and you can use zypper to retrieve the software and install it.
Procedure: Installing openSUSE Leap with Uyuni

1. Install openSUSE Leap as the base system, and ensure all available service packs and package updates have been applied.

2. Configure a resolvable fully qualified domain name (FQDN) with YaST by navigating to System › Network Settings › Hostname/DNS.

3. At the command prompt, as root, add the repository for installing the Uyuni Server software:

   ```bash
   repo=repositories/systemsmanagement:/$repo
   repo=${repo}Uyuni:/Stable/images/repo/Uyuni-Server-POOL-x86_64-Media1/
   zypper ar https://download.opensuse.org/$repo uyuni-server-stable
   ```

4. Refresh metadata from the repositories:

   ```bash
   zypper ref
   ```

5. Install the pattern for the Uyuni Server:

   ```bash
   zypper in patterns-uyuni_server
   ```

6. Reboot the server.

When the installation is complete, you can continue with Uyuni setup. For more information, see Installation-and-upgrade › Uyuni-server-setup.

2.1.3. Set up Uyuni Server with YaST

The initial setup procedure is handled by YaST.

Procedure: Uyuni Setup

1. Log in to the Uyuni Server and start YaST.

2. In YaST, navigate to Network Services › Uyuni Setup to begin the setup.

3. From the introduction screen select Uyuni Setup › Set up Uyuni from scratch and click Next to continue.

4. Enter an email address to receive status notifications and click Next to continue. Uyuni can sometimes send a large volume of notification emails. You can disable email notifications in the Web UI after setup, if you need to.

5. Enter your certificate information and a password. Passwords must be at least seven characters in length, and must not contain spaces, single or double quotation marks (" or "), exclamation marks (!), or dollar signs ($). Always store your passwords in a secure location.

   If you need to also set up a Uyuni Proxy Server, ensure you have taken a note of the certificate password.
6. Click [Next] to continue.

7. From the Uyuni Setup › Database Settings screen, enter a database user and password and click [Next] to continue. Passwords must be at least seven characters in length, and must not contain spaces, single or double quotation marks (' or "), exclamation marks (!), or dollar signs ($). Always store your passwords in a secure location.

8. Click [Next] to continue.

9. Click [Yes] to run setup when prompted.

10. When setup is complete, click [Next] to continue. You will see the address of the Uyuni Web UI.

11. Click [Finish] to complete Uyuni setup.

2.1.4. Create the Main Administration Account

Before you can log in to the server to manage your clients, you need to have created an administration account. The main administration account has the highest authority within Uyuni. Ensure you keep access information for this account secure. We recommend that you create lower level administration accounts for organizations and groups. Do not share the main administration access details.

Procedure: Setting Up the Main Administration Account

1. In your web browser, enter the address for the Uyuni Web UI. This address was provided after you completed setup.

2. Sign in to the Web UI, navigate to the Create Organization › Organization Name field, and enter your organization name.

3. In the Create Organization › Desired Login and Create Organization › Desired Password fields, enter your username and password.

4. Fill in the account information fields, including an email for system notifications.

5. Click [Create Organization] to finish creating your administration account.

When you have completed the Uyuni Web UI setup, you are taken to the Home › Overview page.

2.1.5. Optional: Synchronizing Products from SUSE Customer Center

SUSE Customer Center (SCC) maintains a collection of repositories which contain packages, software and updates for all supported enterprise client systems. These repositories are organized into channels each of which provide software specific to a distribution, release, and architecture. After synchronizing with SCC, clients can receive updates, be organized into groups, and assigned to specific product software channels.

This section covers synchronizing with SCC from the Web UI and adding your first client channel.

For Uyuni, synchronizing products from SUSE Customer Center is optional.

Before you can synchronize software repositories with SCC, you will need to enter organization
Enter your organization credentials in the Uyuni Web UI:

**Optional Procedure: Entering Organization Credentials**

1. In the Uyuni Web UI, navigate to **Admin > Setup Wizard**.
2. In the **Setup Wizard** page, navigate to the [Organization Credentials] tab.
3. Click [Add a new credential].
4. Enter a username and password, and click [Save].

A check mark icon is shown when the credentials are confirmed. When you have successfully entered the new credentials, you can synchronize with SUSE Customer Center.

**Optional Procedure: Synchronizing with SUSE Customer Center**

1. In the Uyuni Web UI, navigate to **Admin > Setup Wizard**.
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3. If your SUSE Linux Enterprise client is based on x86_64 architecture scroll down the page and select the check box for this channel now.
4. Add channels to Uyuni by selecting the check box to the left of each channel. Click the arrow symbol to the left of the description to unfold a product and list available modules.
5. Click [Add Products] to start product synchronization.

When a channel is added, Uyuni will schedule the channel for synchronization. Depending on the number and size of this channels, this can take a long time. You can monitor synchronization progress in the Web UI.

For more information about using the setup wizard, see **Reference > Admin**.

When the channel synchronization process is complete, you can register and configure clients. For more instructions, see **Client-configuration > Registration-overview**.

### 2.2. Install Uyuni Proxy with openSUSE Leap

Uyuni Proxy can be installed as a server extension on openSUSE Leap. The proxy is installed in the same way as a client, but is designated as a proxy server during installation. This is achieved by adding the Uyuni Proxy pattern, and executing the proxy setup script.

- For more information about the stable version of Uyuni, see [https://www.uyuni-project.org/pages/stable-version.html](https://www.uyuni-project.org/pages/stable-version.html).
- For more information about the development version of Uyuni, see [https://www.uyuni-project.org/pages/devel-version.html](https://www.uyuni-project.org/pages/devel-version.html).
2.2.1. Mirror Uyuni Proxy software

The Uyuni Proxy software is available from https://download.opensuse.org. You can synchronize the proxy software to your Uyuni Server. This process is also known as mirroring.

Procedure: Mirroring Uyuni Proxy software

1. On the Uyuni Server, create openSUSE Leap and the Uyuni Proxy channels with the `spacewalk-common-channels` command. `spacewalk-common-channels` is part of the `spacewalk-utils` package:

   ```
spacewalk-common-channels \
opensuse_leap15_5 \
opensuse_leap15_5-non-oss \
opensuse_leap15_5-non-oss-updates \
opensuse_leap15_5-updates \
opensuse_leap15_5-backports-updates \
opensuse_leap15_5-sle-updates \
opensuse_leap15_5-uyuni-client \
uyuni-proxy-stable-leap-155
```

Instead of the `uyuni-proxy-stable-leap-155` version you can also try the latest development version, called `uyuni-proxy-devel-leap`. For more information, see Client-configuration › Clients-opensuseleap.

2.2.2. Register the openSUSE Leap system

Begin by installing openSUSE Leap on a physical or virtual machine. To ensure that the proxy is accessible across the network, you must have a resolvable fully qualified domain name (FQDN) on the openSUSE Leap system before you begin the installation. You can configure an FQDN with YaST by navigating to System › Network Settings › Hostname/DNS.

When you have installed openSUSE Leap on the proxy and configured the FQDN, you can prepare the Uyuni Server, and register the openSUSE Leap system as a client.

Procedure: Registering the openSUSE Leap system

1. On the Uyuni Server, create an activation key with openSUSE Leap as a base channel and the proxy and the other channels as child channels. For more information about activation keys, see Client-configuration › Activation-keys.

2. Modify a bootstrap script for the proxy. Ensure you add the GPG key for Uyuni to the `ORG_GPG_KEY=` parameter. For example:

   ```
   ORG_GPG_KEY=uyuni-gpg-pubkey-0d20833e.key
   ```

   For more information, see Client-configuration › Clients-opensuseleap.

3. Bootstrap the client using the script.

   For more information, see Client-configuration › Registration-bootstrap.
4. Navigate to **Salt › Keys** and accept the key. When the key is accepted, the new proxy will show in **Systems › Overview** in the Recently Registered Systems section.

5. Navigate to **System Details › Software › Software Channels**, and check that the proxy channel is selected.

### 2.2.3. Install Uyuni Proxy on openSUSE Leap

On the client, use the `zypper` command line tool or on the Uyuni Server, the Web UI to install the proxy software on openSUSE Leap.

*Procedure: Installing Uyuni Proxy on openSUSE Leap*

1. Install the pattern for the Uyuni Proxy. You can do this either on the client or on the server.
   
   - For the client, use `zypper`
   
   ```bash
   zypper in patterns-uyuni_proxy
   ```
   
   - Alternatively, on the Uyuni Server, use the Web UI. Navigate to the details tab of the client, click **Software › Packages › Install**, and schedule `patterns-uyuni_proxy` for installation.

2. Reboot the client.

### 2.2.4. Prepare the Proxy

Before you begin, ensure that the proxy pattern is installed correctly. To verify a successful installation, on the Uyuni Server, select the `pattern_uyuni_proxy` package for installation.

The salt-broker service is automatically started after installation is complete. This service forwards the Salt interactions to the Uyuni Server.

It is possible to arrange Salt proxies in a chain. In this case, the upstream proxy is named **parent**.

Make sure the TCP ports 4505 and 4506 are open on the proxy. The proxy must be able to reach the Uyuni Server or a parent proxy on these ports.

The proxy shares some SSL information with the Uyuni Server. You need to copy the certificate and its key from the Uyuni Server or the parent proxy to the proxy you are setting up.

*Procedure: Copying the Server Certificate and Key*

1. On the proxy you are setting up, at the command prompt, as root, create a directory for the certificate and key:
mkdir -m 700 /root/ssl-build
cd /root/ssl-build

2. Copy the certificate and the key from the source to the new directory. In this example, the source location is called PARENT. Replace this with the correct path:

scp root@<PARENT>:/root/ssl-build/RHN-ORG-PRIVATE-SSL-KEY .
scp root@<PARENT>:/root/ssl-build/RHN-ORG-TRUSTED-SSL-CERT .
scp root@<PARENT>:/root/ssl-build/rhn-ca-openssl.cnf .

To keep the security chain intact, the Uyuni Proxy functionality requires the SSL certificate to be signed by the same CA as the Uyuni Server certificate. Using certificates signed by different CAs for proxies and server is not supported. For more information on how Uyuni handles certificates, see Administration > Ssl-certs.

2.2.5. Set Up the Proxy

When you have prepared the proxy, use the supplied interactive configure-proxy.sh script to complete the proxy setup.

Procedure: Setting up the Proxy

1. On the proxy you are setting up, at the command prompt, as root, execute the setup script:

   configure-proxy.sh

2. Follow the prompts to set up the proxy. Leave a field blank and type Enter to use the default values shown between square brackets.

More information about the settings set by the script:

Uyuni Parent
   the Uyuni parent can be either another proxy or a server.

HTTP Proxy
   A HTTP proxy enables your Uyuni Proxy to access the Web. This is needed if direct access to the Web is prohibited by a firewall.

Traceback Email
   An email address where to report problems.

Do You Want to Import Existing Certificates?
   Answer N. This ensures using the new certificates that were copied previously from the Uyuni server.
Organization

The next questions are about the characteristics to use for the SSL certificate of the proxy. The organization might be the same organization that was used on the server, unless of course your proxy is not in the same organization as your main server.

Organization Unit

The default value here is the proxy’s hostname.

City

Further information attached to the proxy’s certificate.

State

Further information attached to the proxy’s certificate.

Country Code

In the country code field, enter the country code set during the Uyuni installation. For example, if your proxy is in the US and your Uyuni is in DE, enter DE for the proxy.

The country code must be two upper case letters. For a complete list of country codes, see https://www.iso.org/obp/ui/#search.

Cname Aliases (Separated by Space)

Use this if your proxy can be accessed through various DNS CNAME aliases. Otherwise it can be left empty.

CA Password

Enter the password that was used for the certificate of your Uyuni Server.

Do You Want to Use an Existing SSH Key for Proxying SSH-Push Salt Minion?

Use this option if you want to reuse a SSH key that was used for SSH-Push Salt clients on the server.

Create and Populate Configuration Channel rhn_proxy_config_1000010001?

Accept default Y.

SUSE Manager Username

Use same user name and password as on the Uyuni server.

If parts are missing, such as CA key and public certificate, the script prints commands that you must execute to integrate the needed files. When the mandatory files are copied, run configure-proxy.sh again. If you receive an HTTP error during script execution, run the script again.

configure-proxy.sh activates services required by Uyuni Proxy, such as squid, apache2, salt-broker, and jabberd.

To check the status of the proxy system and its clients, click the proxy system’s details page on the
Web UI (Systems › System List › Proxy, then the system name). Connection and Proxy subtabs display various status information.

If you want to PXE boot your clients from your Uyuni Proxy, you also need to synchronize the TFTP data from the Uyuni Server. For more information about this synchronization, see Client-configuration › Autoinst-pxeboot.

**Procedure: Synchronizing Profiles and System Information**

1. On the proxy, at the command prompt, as root, install the `susemanager-tftpsync-recv` package:

   ```
   zypper in susemanager-tftpsync-recv
   ```

2. On the proxy, run the `configure-tftpsync.sh` setup script and enter the requested information:

   ```
   configure-tftpsync.sh
   ```
   You need to provide the hostname and IP address of the Uyuni Server and the proxy. You also need to enter the path to the `tftpboot` directory on the proxy.

3. On the server, at the command prompt, as root, install `susemanager-tftpsync`:

   ```
   zypper in susemanager-tftpsync
   ```

4. On the server, run `configure-tftpsync.sh` setup script and enter the requested information:

   ```
   configure-tftpsync.sh
   ```

5. Run the script again with the fully qualified domain name of the proxy you are setting up. This creates the configuration, and uploads it to the Uyuni Proxy:

   ```
   configure-tftpsync.sh FQDN_of_Proxy
   ```

6. On the server, start an initial synchronization:

   ```
   cobbler sync
   ```
   You can also synchronize after a change within Cobbler that needs to be synchronized immediately. Otherwise Cobbler synchronization will run automatically when needed. For more information about PXE booting, see Client-configuration › Autoinst-pxeboot.
2.2.6. Configure DHCP for PXE through Proxy

Uyuni uses Cobbler for client provisioning. PXE (tftp) is installed and activated by default. Clients must be able to find the PXE boot on the Uyuni Proxy using DHCP. Use this DHCP configuration for the zone which contains the clients to be provisioned:

```
next-server: <IP_Address_of_Proxy>
filename: "pxelinux.0"
```

2.2.7. Reinstalling a Proxy

A proxy does not contain any information about the clients that are connected to it. Therefore, a proxy can be replaced by a new one at any time. The replacement proxy must have the same name and IP address as its predecessor.

For more information about reinstalling a proxy, see Installation-and-upgrade › Proxy-setup.

Proxy systems are registered as Salt clients using a bootstrap script.

This procedure describes software channel setup and registering the installed proxy with an activation key as the Uyuni client.

⚠️ Before you can select the correct child channels while creating the activation key, ensure you have properly synchronized the openSUSE Leap channel with all the needed child channels and the Uyuni Proxy channel.

2.2.8. More Information

For more information about the Uyuni project, and to download the source, see https://www.uyuni-project.org/.

For more Uyuni product documentation, see https://www.uyuni-project.org/uyuni-docs/uyuni/index.html.

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