

SUSE Manager Client Registration

Adfinis**sy**Group

Be smart. Think open source.

SUSE Manager 3 Hands-on



Hands-on :: Client Registration 04

Register systems with the traditional agent and as salt minion.

Client Registration 04 - Repository

Create a bootstrap repository:

```
# mgr-create-bootstrap-repo -l  
# mgr-create-bootstrap-repo -c SLE-12-SP1-x86_64  
# ls -la /srv/www/htdocs/pub/
```

Client Registration 04 - Traditional

Generate a bootstrap script:

The screenshot shows the SUSE Manager web interface. The top header is teal and contains the SUSE Manager logo, navigation links (Knowledgebase, Documentation), user information (admin, ady), and a search bar. The main navigation bar is dark grey and lists various system management options. The left sidebar is dark grey and shows a tree view of the configuration options, with 'SUSE Manager Configuration' selected. The main content area is white and displays the 'SUSE Manager Configuration - Bootstrap' page. The page title is 'SUSE Manager Configuration - Bootstrap'. Below the title is a paragraph of text explaining the purpose of the bootstrap scripts. Below the text is a section titled 'Client Bootstrap Script Configuration' with several configuration options, each with a label and a text input field. The 'SUSE Manager server hostname' field contains 'suma1.net1.lab'. The 'SSL cert location' field contains '/srv/www/htdocs/pub/RHN-ORG-TRUSTED-SSL-CERT'. The 'Enable SSL', 'Enable Client GPG checking', 'Enable Remote Configuration', and 'Enable Remote Commands' options are all checked. The 'Client HTTP Proxy' field is empty. Below the proxy fields is an 'Update' button.

SUSE Manager

Knowledgebase Documentation admin ady

Systems Search

Overview Systems Salt Patches Channels Audit Configuration Schedule Users Admin Help 0 systems selected Manage Clear

> Setup Wizard

> Organizations

> Users

> SUSE Manager Configuration

> General

> Bootstrap Script

> Organizations

> Restart

> Cobbler

> Bare-metal systems

> ISS Configuration

> Task Schedules

> Task Engine Status

> Show Tomcat Logs

SUSE Manager Configuration - Bootstrap

The following information will be used to generate bootstrap scripts. These bootstrap scripts can be used to configure a client to use this SUSE Manager to receive updates. Once the bootstrap scripts have been generated, they will be available from [this server](#).

Please note that some manual configuration of these scripts may still be required. The bootstrap script can be found on the SUSE Manager Server's filesystem here: `/srv/www/htdocs/pub/bootstrap`

General Bootstrap Script Organizations Restart Cobbler Bare-metal systems

Client Bootstrap Script Configuration

SUSE Manager server hostname*

SSL cert location*

Enable SSL

Enable Client GPG checking

Enable Remote Configuration

Enable Remote Commands

Client HTTP Proxy

Client HTTP Proxy username

Client HTTP Proxy password

Client Registration 04 - Traditional

Verify if the script exists:

```
# ls -la /srv/www/htdocs/pub/bootstrap
```

Client Registration 04 - Traditional

Copy the bootstrap script:

```
# cd /srv/www/htdocs/pub/bootstrap  
# cp bootstrap[,-prod].sh
```


Client Registration 04 - Traditional

Modify the bootstrap script:

bootstrap-prod.sh

```
[...]  
74 #exit 1  
75  
76 # can be edited, but probably correct (unless created during initial install):  
77 # NOTE: ACTIVATION_KEYS "must" be used to bootstrap a client machine.  
78 ACTIVATION_KEYS=1-ak-sles12sp1-prod-trad
```

Client Registration 04 - Traditional

Connecting the first client to SUMA:

```
# cd /srv/www/htdocs/pub/bootstrap/
```

```
# cat bootstrap-prod.sh | ssh root@srv1.net"$NR".lab /bin/bash
```

Client Registration 04 - SaltStack

Add the SUMA tools repository and install the salt minion on srv2:

```
# zypper addrepo \  
  http://suma"$NR".net"$NR".lab/pub/repositories/sle/12/1/bootstrap/ \  
  SUMA3-Tools  
  
# zypper -n install salt-minion
```

Client Registration 04 - SaltStack

Configure the minion and do a restart:

```
# echo "master: suma"$NR".net"$NR".lab" > /etc/salt/minion.d/master.conf

# echo -e "susemanager:\n activation_key: 1-ak-sles12sp1-devl-salt" \
> /etc/salt/grains

# systemctl restart salt-minion
```

Client Registration 04 - Salt Keys

List keys and accept the new minion:

```
# salt-key -L  
  
# salt-key -a srv2.net"$NR".lab
```

Client Registration 04 - Salt Keys

Key management in the WebUI:

The screenshot shows the SUSE Manager web interface. The top navigation bar is teal and contains the SUSE Manager logo, user information (admin, adsy), and utility icons. Below the navigation bar is a horizontal menu with options: Overview, Systems, Salt (selected), Patches, Channels, Audit, Configuration, Schedule, Users, Admin, and Help. A search bar is located on the right side of the navigation bar. Below the navigation bar is a sidebar with a dark background and white text, listing: > Onboarding (selected), > Bootstrapping, > Remote Commands, and > State Catalog. The main content area is titled "Onboarding" and features a "Refresh" button. Below the title is a search input field and a pagination indicator "Items 1 - 1 of 1". To the right of the search field is a dropdown menu for "items per page" set to "25". Below this is a table with the following columns: Name, Fingerprint, State, and Actions. The table contains one row with the following data: Name: srv2.net1.lab, Fingerprint: 96:6e:bb:a3:ab:39:50:e6:c8:59:f3:ab:e6:a6:df:4a:23:bf:84:ad:6a:7a:78:1a:b3:09:59:86:1e:c9:14:46, State: pending, and Actions: a checkmark icon and an 'x' icon. Below the table is a "Page 1 of 1" indicator.

SUSE Manager

Knowledgebase Documentation admin adsy

Systems Search

Overview Systems Salt Patches Channels Audit Configuration Schedule Users Admin Help 0 systems selected Manage Clear

> Onboarding

> Bootstrapping

> Remote Commands

> State Catalog

Onboarding Refresh

Items 1 - 1 of 1 25 items per page

Name	Fingerprint	State	Actions
srv2.net1.lab	96:6e:bb:a3:ab:39:50:e6:c8:59:f3:ab:e6:a6:df:4a:23:bf:84:ad:6a:7a:78:1a:b3:09:59:86:1e:c9:14:46	pending	✓ x

Page 1 of 1

Client Registration 04 - List Systems

List the new registred systems:

```
# spacecmd system_list  
  
# spacecmd system_details "$hostname"
```

Client Registration 04 - List Systems

SUSE Manager

Knowledgebase Documentation admin adsy

Systems Search

Overview Systems Salt Patches Channels Audit Configuration Schedule Users Admin Help 0 systems selected Manage Clear

System Overview

+ Add Systems

View System Groups

0 1 2 3 4 5 6 7 8 9 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z 1 - 2 of 2

Filter by System Name: [] [] 25 items per page

<input type="checkbox"/>	System	Updates	Patches	Packages	Configs	Crashes	Base Channel	System Type
<input type="checkbox"/>	srv1.net1.lab	✔	0	0	0	(none)	devi-sles12-spt-pool-x86_64	Management
<input type="checkbox"/>	srv2.net1.lab	✔	0	0	0	(none)	devi-sles12-spt-pool-x86_64	Salt

Select All

1 - 2 of 2

Client Registration 04 - List Systems

Verfiy the repositoies on the new registered systems:

zypper repos

Feel Free to Contact Us

www.adfinis-sygroup.ch

[Tech Blog](#)

[GitHub](#)

info@adfinis-sygroup.ch

[Twitter](#)

