

# 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 displays the SUSE Manager web interface. The top navigation bar is teal with links for Knowledgebase, Documentation, and user profiles (admin, adsy). A search bar is on the right. Below this is a secondary navigation bar with tabs: Overview, Systems, Salt, Patches, Channels, Audit, Configuration, Schedule, Users, Admin (selected), and Help. A status bar indicates '0 systems selected' and 'Manage' buttons. The left sidebar contains a tree view with categories like Setup Wizard, Organizations, Users, and SUSE Manager Configuration (expanded). The main content area is titled 'SUSE Manager Configuration - Bootstrap' with an information icon. It contains two paragraphs of text explaining the purpose of the bootstrap scripts and where to find them. Below the text are tabs for General, Bootstrap Script (selected), Organizations, Restart, Cobbler, and Bare-metal systems. The 'Client Bootstrap Script Configuration' section contains several form fields and checkboxes: 'SUSE Manager server hostname\*' (sumat.net1.lab), 'SSL cert location\*' (/srv/www/htdocs/pub/RHN-ORG-TRUSTED-SSL-CERT), 'Enable SSL' (checked), 'Enable Client GPG checking' (checked), 'Enable Remote Configuration' (checked), 'Enable Remote Commands' (checked), 'Client HTTP Proxy' (empty), and 'Client HTTP Proxy username' (empty).

SUSE Manager

Knowledgebase Documentation admin adsy

Systems Search

Overview Systems Salt Patches Channels Audit Configuration Schedule Users Admin Help

0 systems selected Manage Clear

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\* sumat.net1.lab

SSL cert location\* /srv/www/htdocs/pub/RHN-ORG-TRUSTED-SSL-CERT

Enable SSL ☒

Enable Client GPG checking ☒

Enable Remote Configuration ☒

Enable Remote Commands ☒

Client HTTP Proxy

Client HTTP Proxy username

# 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 i
77 # NOTE: ACTIVATION_KEYS *must* be used to bootstrap a client m
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/b  
    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/maste
# echo -e "susemanager:\n  activation_key: 1-ak-sles12sp1-devl-sal
  > /etc/salt/grains
# systemctl restart salt-minion
```

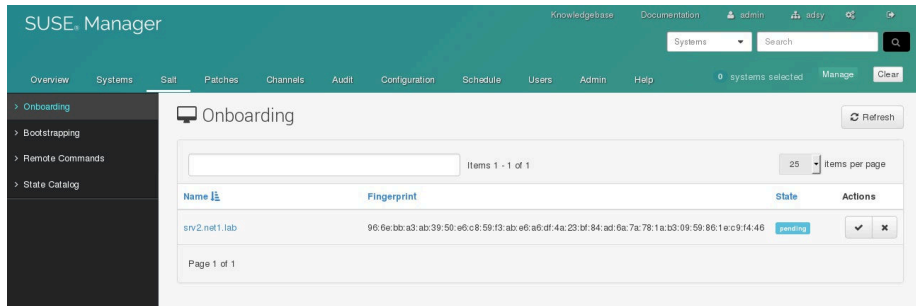
# Client Registration 04 - Salt Keys

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 displays the SUSE Manager web interface. The top navigation bar includes links for Knowledgebase, Documentation, and user profiles (admin, adsy). A search bar is present with a dropdown menu set to 'Systems'. Below the navigation bar, a sidebar on the left lists various sections: Overview, Systems, Salt (selected), Patches, Channels, Audit, Configuration, Schedule, Users, Admin, and Help. The main content area is titled 'Onboarding' and shows a table with one system entry. The system is named 'srv2.net1.lab' and has a fingerprint of '96:6e:bb:a3:ab:39:50:e6:c8:59:13:ab:e6:a6:df:4a:23:bf:84:ad:6a:7a:78:1a:b3:09:59:86:1e:c9:f4:46'. The system's state is 'pending', and there are '✓' and '✗' icons in the Actions column. The page indicates 'Page 1 of 1' and 'Items 1 - 1 of 1'.

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:c8:59:13:ab:e6:a6:df:4a:23:bf:84:ad:6a:7a:78:1a:b3:09:59:86:1e:c9:f4:46	pending	✓ ✗

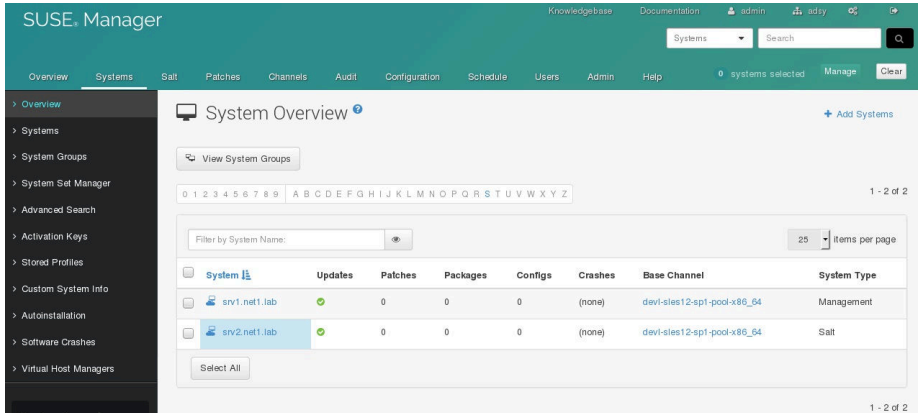
Page 1 of 1

# Client Registration 04 - List Systems

List the new registred systems:

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

# Client Registration 04 - List Systems



The screenshot displays the SUSE Manager web interface. The top navigation bar is teal and includes links for Knowledgebase, Documentation, and user profiles (admin, edsy). A search bar is present with a dropdown menu set to 'Systems'. Below the navigation bar, a horizontal menu shows 'Overview' as the active tab, followed by 'Systems', 'Salt', 'Patches', 'Channels', 'Audit', 'Configuration', 'Schedule', 'Users', 'Admin', and 'Help'. The left sidebar contains a list of navigation items: Overview, Systems, System Groups, System Set Manager, Advanced Search, Activation Keys, Stored Profiles, Custom System Info, Autoinstallation, Software Crashes, and Virtual Host Managers. The main content area is titled 'System Overview' and features a '+ Add Systems' button. Below the title is a 'View System Groups' button and a search bar. A table lists the systems, with columns for System Name, Updates, Patches, Packages, Configs, Crashes, Base Channel, and System Type. Two systems are listed: 'srv1.net1.lab' and 'srv2.net1.lab'. The 'srv2.net1.lab' system is highlighted. At the bottom of the table is a 'Select All' button. The page footer indicates '1 - 2 of 2'.

SUSE Manager

Knowledgebase Documentation admin edsy

Systems Search

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

> Overview

> Systems

> System Groups

> System Set Manager

> Advanced Search

> Activation Keys

> Stored Profiles

> Custom System Info

> Autoinstallation

> Software Crashes

> Virtual Host Managers

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

System	Updates	Patches	Packages	Configs	Crashes	Base Channel	System Type
srv1.net1.lab	✓	0	0	0	(none)	dev1-sles12-sp1-pool-x86_64	Management
srv2.net1.lab	✓	0	0	0	(none)	dev1-sles12-sp1-pool-x86_64	Salt

Select All

1 - 2 of 2