

SUSE Manager Channel Management

Adfinis**sy**Group

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SUSE Manager 3 Hands-on



Hands-on :: Channels 03

Channel Management: Create a workflow, clone channels and create activation keys

Channels 03 - Channels

Install the `spacewalk-utils` package on your SUMA:

```
# zypper -n install spacewalk-utils
```

Channels 03 - Channels

Configure a custom workflow a la "adsy-sles12-sp1":

```
# cat .spacewalk-manage-channel-lifecycle/settings.conf
[general]
phases = dev, test, prod
exclude channels =

[adsy-sles12-sp1]
phases = devl, prod
exclude channels =

# export pass="verysecure"
```

Channels 03 - Channels

List the current channels and your workflow:

```
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -f  
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -l
```

Channels 03 - Channels

> Software Channels

> All Channels

> SUSE Channels

> Popular Channels

> My Channels

> Shared Channels

> Retired Channels

> Package Search

> Manage Software Channels

> Distribution Channel Mapping

Full Software Channel List ?

All Channels

SUSE Channels

Popular Channels

My Channels

Shared Channels

Retired Channels

The software channels listed below are **all of the channels** that your organization has access to.

Filter by Channel Name:



Show All Child Channels | Hide All Child Channels

Channel Name	Provider	Packages	Errata	Systems
<input type="checkbox"/> SLES12-SP1-Pool for x86_64	SUSE	3427	0	0
<input type="checkbox"/> SLE-Manager-Tools12-Pool x86_64 SP1	SUSE	34	0	0
<input type="checkbox"/> SLE-Manager-Tools12-Updates x86_64 SP1	SUSE	178	17	0
<input type="checkbox"/> SLES12-SP1-Updates for x86_64	SUSE	2140	493	0
<input type="checkbox"/> SUSE-Manager-Proxy-3.0-Pool for x86_64	SUSE	91	0	0
<input type="checkbox"/> SUSE-Manager-Proxy-3.0-Updates for x86_64	SUSE	78	7	0

Channels 03 - Development Channel

Create a development channel from the vendor channel:

```
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" \  
    -w adsy-sles12-sp1 \  
    --channel sles12-sp1-pool-x86_64 \  
    --init  
  
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -l
```

Channels 03 - Production Channels

Create a production channel from the development channel:

```
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" \  
-w adsy-sles12-sp1 \  
--channel devl-sles12-sp1-pool-x86_64 \  
--promote  
  
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -l
```

Channels 03 - Channels

SUSE Manager Knowledgebase Documentation admin adsy

Systems

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

> Software Channels

- > All Channels
- > SUSE Channels
- > Popular Channels
- > My Channels
- > Shared Channels
- > Retired Channels

> Package Search

> Manage Software Channels

> Distribution Channel Mapping

Full Software Channel List [?]

All Channels SUSE Channels Popular Channels My Channels Shared Channels Retired Channels

The software channels listed below are **all of the channels** that your organization has access to.

Filter by Channel Name:

[Show All Child Channels](#) | [Hide All Child Channels](#)

Channel Name	Provider	Packages	Errata	Systems
<input checked="" type="checkbox"/> devl-sles12-sp1-pool-x86_64	adsy	3427	0	0
<input type="checkbox"/> devl-sle-manager-tools12-pool-x86_64-sp1	adsy	34	0	0
<input type="checkbox"/> devl-sle-manager-tools12-updates-x86_64-sp1	adsy	178	17	0
<input type="checkbox"/> devl-sles12-sp1-updates-x86_64	adsy	2140	493	0
<input type="checkbox"/> devl-suse-manager-proxy-3.0-pool-x86_64	adsy	91	0	0
<input type="checkbox"/> devl-suse-manager-proxy-3.0-updates-x86_64	adsy	78	7	0
<input checked="" type="checkbox"/> prod-sles12-sp1-pool-x86_64	adsy	3427	0	0
<input checked="" type="checkbox"/> SLES12-SP1-Pool for x86_64	SUSE	3427	0	0
<input type="checkbox"/> SLE-Manager-Tools12-Pool x86_64 SP1	SUSE	34	0	0
<input type="checkbox"/> SLE-Manager-Tools12-Updates x86_64 SP1	SUSE	178	17	0
<input type="checkbox"/> SLES12-SP1-Updates for x86_64	SUSE	2140	493	0
<input type="checkbox"/> SUSE-Manager-Proxy-3.0-Pool for x86_64	SUSE	91	0	0

Channels 03 - Channels

Create an archive from the production channel:

```
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" \  
    --channel prod-sles12-sp1-pool-x86_64 \  
    --archive  
  
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -l
```

Channels 03 - Channels

Rollback the archive channel to the production channel:

```
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" \  
--channel archive-20161110-prod-sles12-sp1-pool-x86_64 \  
--rollback
```

Channels 03 - `spacecmd` Configuration

Create a configuration file for the `spacecmd` command:

```
~/spacecmd/config
```

```
[spacecmd]
server=localhost
username=admin
password=verysecure
nossl=0
```

Channels 03 - Activation Keys

Create an activation key for salt development systems:

```
# spacecmd activationkey_create
INFO: Connected to https://localhost/rpc/api as admin
Name (blank to autogenerate): ak-sles12sp1-devl-salt
Description [None]: activation key for sles12 sp1 salt development systems

Base Channels
-----
archive-20161110-prod-sles12-sp1-pool-x86_64
devl-sles12-sp1-pool-x86_64
prod-sles12-sp1-pool-x86_64
sles12-sp1-pool-x86_64

Base Channel (blank for default): devl-sles12-sp1-pool-x86_64

virtualization_host Entitlement [y/N]:

Universal Default [y/N]:
INFO: Created activation key 1-ak-sles12sp1-devl-salt

# spacecmd activationkey_list
```

Channels 03 - Activation Keys

List the details of the salt development activation key:

```
# spacecmd activationkey_details 1-ak-sles12sp1-devl-salt
INFO: Connected to https://localhost/rpc/api as admin
Key:          1-ak-sles12sp1-devl-salt
Description:  activation key for sles12 sp1 development systems
Universal Default:  False
Usage Limit:  0
Deploy Config Channels: False
Contact Method:  default

Software Channels
-----
devl-sles12-sp1-pool-x86_64

Configuration Channels
-----

Entitlements
-----

System Groups
-----

Packages
-----
```


Channels 03 - Activation Keys

Add the child channels to the salt development activation key:

```
# spacecmd softwarechannel_listchildchannels

# spacecmd activationkey_addchildchannels \
  1-ak-sles12sp1-devl-salt \
  devl-sles12-sp1-updates-x86_64 \
  devl-sle-manager-tools12-pool-x86_64-sp1 \
  devl-sle-manager-tools12-updates-x86_64-sp1

# spacecmd activationkey_details 1-ak-sles12sp1-devl-salt
```

Channels 03 - Activation Key

Create an activation key for the salt production systems:

```
# spacecmd activationkey_create
INFO: Connected to https://localhost/rpc/api as admin
Name (blank to autogenerate): ak-sles12sp1-prod-salt
Description [None]: activation key for sles12 sp1 salt production systems

Base Channels
-----
archive-20161110-prod-sles12-sp1-pool-x86_64
devl-sles12-sp1-pool-x86_64
prod-sles12-sp1-pool-x86_64
sles12-sp1-pool-x86_64

Base Channel (blank for default): prod-sles12-sp1-pool-x86_64

virtualization_host Entitlement [y/N]:

Universal Default [y/N]:
INFO: Created activation key 1-ak-sles12sp1-prod-salt

# spacecmd activationkey_list
```

Channels 03 - Activation Key

Add the child channels to the salt production activation key:

```
# spacecmd softwarechannel_listchildchannels

# spacecmd activationkey_addchildchannels \
  1-ak-sles12sp1-prod-salt \
  prod-sles12-sp1-updates-x86_64 \
  prod-sle-manager-tools12-pool-x86_64-sp1 \
  prod-sle-manager-tools12-updates-x86_64-sp1

# spacecmd activationkey_details 1-ak-sles12sp1-prod-salt
```

Channels 03 - Activation Key

Create an activation key for the traditional production systems:

```
# spacecmd activationkey_create
INFO: Connected to https://localhost/rpc/api as admin
Name (blank to autogenerate): ak-sles12sp1-prod-trad
Description [None]: activation key for traditional sles12 sp1 production

Base Channels
-----
archive-20161110-prod-sles12-sp1-pool-x86_64
devl-sles12-sp1-pool-x86_64
prod-sles12-sp1-pool-x86_64
sles12-sp1-pool-x86_64

Base Channel (blank for default): prod-sles12-sp1-pool-x86_64

virtualization_host Entitlement [y/N]:

Universal Default [y/N]:
INFO: Created activation key 1-ak-sles12sp1-prod-trad

# spacecmd activationkey_list
```

Channels 03 - Activation Key

Add the child channels to the traditional production activation key:

```
# spacecmd softwarechannel_listchildchannels

# spacecmd activationkey_addchildchannels \
  1-ak-sles12sp1-prod-trad \
  prod-sles12-sp1-updates-x86_64 \
  prod-sle-manager-tools12-pool-x86_64-sp1 \
  prod-sle-manager-tools12-updates-x86_64-sp1

# spacecmd activationkey_details 1-ak-sles12sp1-prod-trad
```

Channels 03 - Activation Key

Add the required packages to the activation key:

```
# spacecmd activationkey_addpackages \  
  1-ak-sles12sp1-prod-trad \  
  rhncfg-actions \  
  osad \  
  rhncfg-client \  
  rhncfg-management  
  
# spacecmd activationkey_details 1-ak-sles12sp1-prod-trad
```

Channels 03 - Activation Keys in the WebUI

The screenshot displays the SUSE Manager web interface. At the top, the header includes the SUSE Manager logo, navigation links for Knowledgebase and Documentation, user information (admin, adsy), and a search bar. Below the header is a main navigation menu with tabs for Overview, Systems, Salt, Patches, Channels, Audit, Configuration, Schedule, Users, Admin, and Help. A secondary navigation bar shows '0 systems selected', 'Manage', and 'Clear' buttons.

The left sidebar contains a navigation tree with the following items: Overview, Systems, System Groups, System Set Manager, Advanced Search, **Activation Keys** (highlighted), Stored Profiles, Custom System Info, Autoinstallation, Software Crashes, and Virtual Host Managers.

The main content area shows the title 'activation key for sles12 sp1 development systems' with a search icon and a notification badge. Action links for 'Clone Key' and 'Delete Key' are visible. Below the title is a breadcrumb trail: Details | Child Channels | Packages | Configuration | Groups | Activated Systems.

Activation Key Details

Systems registered with this activation key will inherit the settings listed below.

Description:
Use this to describe what kind of settings this key will reflect on systems that use it. If left blank, this field will be filled in **None**.

Key:
Leave blank for automatic key generation. Note that the prefix is an indication of the SUSE Manager organization the key is associated with.

Usage:
Leave blank for unlimited use.

Base Channel:
Choose **"SUSE Manager Default"** to allow systems to register to the default SUSE Manager provided channel that corresponds to the installed SUSE Linux version. Instead of the default, you may choose a particular SUSE provided channel or a custom base channel, but if a system using this key is not compatible with the selected channel, it will fall back to its SUSE Manager Default channel.

Add-On System Types: Virtualization Host

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