

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 = dev, 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

The screenshot shows the SUSE Manager web interface. The top navigation bar is teal and contains the 'SUSE Manager' logo, links to 'Knowledgebase' and 'Documentation', user avatars for 'admin' and 'adry', and a search bar. Below the navigation bar is a secondary bar with tabs: 'Overview', 'Systems', 'Salt', 'Patches', 'Channels' (selected), 'Audit', 'Configuration', 'Schedule', 'Users', 'Admin', and 'Help'. On the right of this bar, it says '0 systems selected' and has 'Manage' and 'Clear' buttons.

The left sidebar is dark grey and contains a list of navigation items: 'Software Channels' (expanded), 'All Channels', 'SUSE Channels', 'Popular Channels', 'My Channels', 'Shared Channels', 'Retired Channels', 'Package Search', 'Manage Software Channels', and 'Distribution Channel Mapping'.

The main content area is titled 'Full Software Channel List' with a help icon. Below the title is a filter bar with tabs: 'All Channels' (selected), 'SUSE Channels', 'Popular Channels', 'My Channels', 'Shared Channels', and 'Retired Channels'. A text box indicates: 'The software channels listed below are **all of the channels** that your organization has access to.'

Below this is a table with columns: 'Channel Name', 'Provider', 'Packages', 'Errata', and 'Systems'. The table lists several channels, each with a toggle icon on the left. The data is as follows:

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 \  
    --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-poo \  
    --promote  
  
# spacewalk-manage-channel-lifecycle -u admin -p "$pass" -l
```


Channels 03 - Channels

SUSE® Manager

KnowledgebaseDocumentationadminadsy

SystemsSearch

OverviewSystemsSaltPatchesChannelsAuditConfigurationScheduleUsersAdminHelp

0 systems selectedManageClear

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 ChannelsSUSE ChannelsPopular ChannelsMy ChannelsShared ChannelsRetired 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
devi-sles12-sp1-pool-x86_64	adsy	3427	0	0
devi-sle-manager-tools12-pool-x86_64-sp1	adsy	34	0	0
devi-sle-manager-tools12-updates-x86_64-sp1	adsy	178	17	0
devi-sles12-sp1-updates-x86_64	adsy	2140	493	0
devi-suse-manager-proxy-3.0-pool-x86_64	adsy	91	0	0
devi-suse-manager-proxy-3.0-updates-x86_64	adsy	78	7	0
prod-sles12-sp1-pool-x86_64	adsy	3427	0	0
SLES12-SP1-Pool for x86_64	SUSE	3427	0	0
SLE-Manager-Tools12-Pool x86_64 SP1	SUSE	34	0	0
SLE-Manager-Tools12-Updates x86_64 SP1	SUSE	178	17	0
SLES12-SP1-Updates for x86_64	SUSE	2140	493	0
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-poo  
    --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-pr  
--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 developmen

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]:
```

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
Universal Default:                 False
Usage Limit:                       0
Deploy Config Channels:            False
Contact Method:                   default
```

Software Channels

devl-sles12-sp1-pool-x86_64

Configuration Channels

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

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]:
```


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 pro

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]:
```

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
```