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

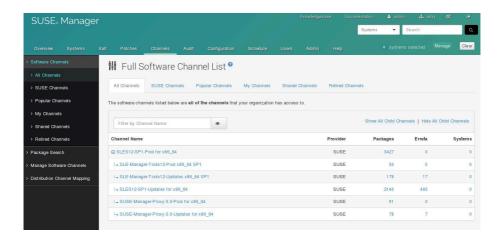Configure a cumstom workflow a la "adsy-sles12-sp1":

```
# 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

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 producation 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

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 actvation 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 producation 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 acvivation key:

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

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