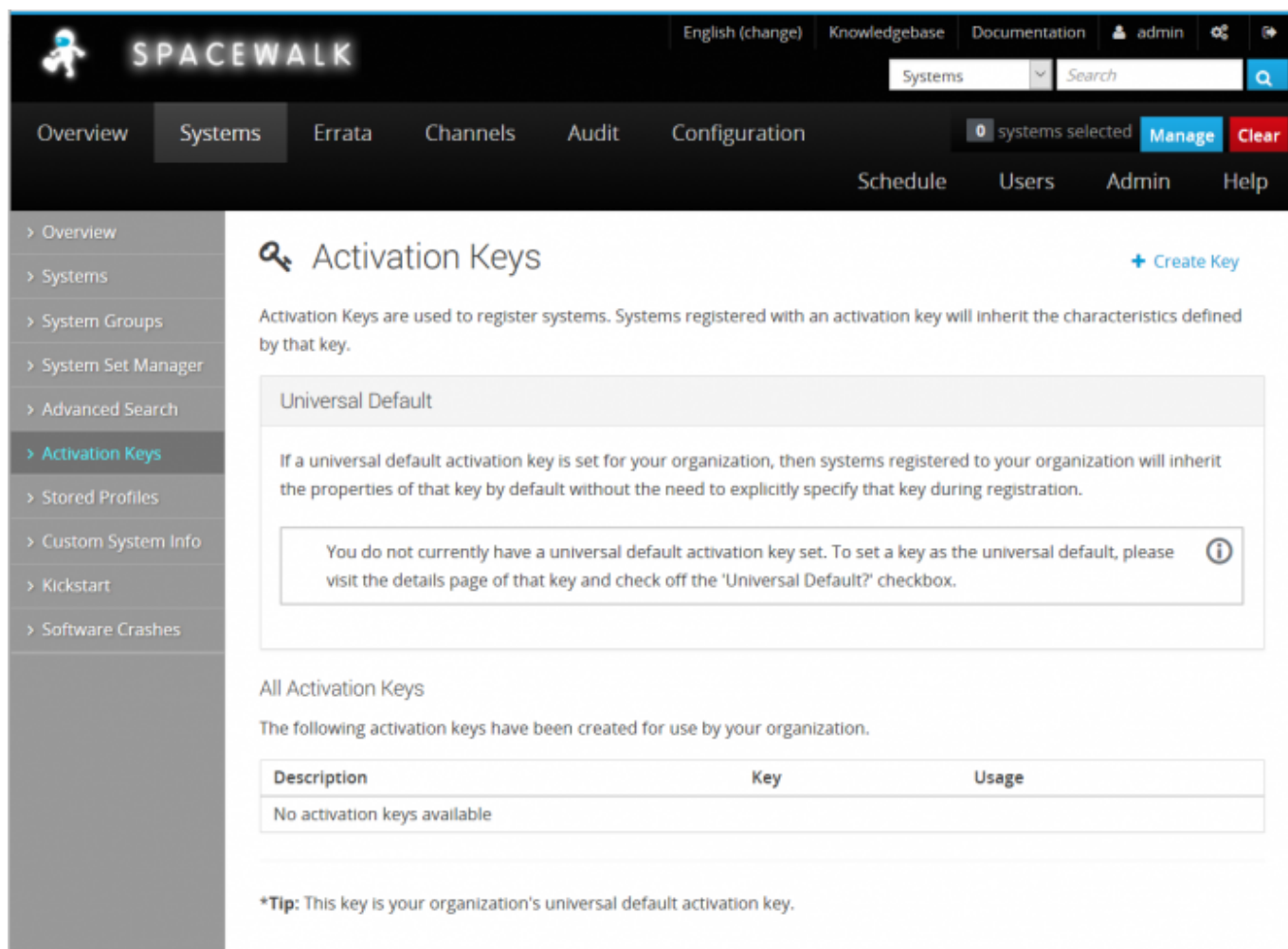


Connecting Clients to Spacewalk

Om clients aan de spacewalk server te verbinden worden “keys” gebruikt. Er bestaat de mogelijkheid om een universele key te maken maar deze laten we nu buiten beschouwing en we maken keys aan per build type.

create keys

Kies **Systems** in het top menu en **>Activation Keys** in het zijmenu. druk op **+Create Key**



The screenshot shows the Spacewalk web interface. The top navigation bar includes links for English (change), Knowledgebase, Documentation, and user information (admin). A search bar is present with 'Systems' selected. The main navigation menu has 'Overview', 'Systems', 'Errata', 'Channels', 'Audit', and 'Configuration'. The 'Systems' menu is expanded, showing 'Overview', 'Systems', 'System Groups', 'System Set Manager', 'Advanced Search', 'Activation Keys' (highlighted), 'Stored Profiles', 'Custom System Info', 'Kickstart', and 'Software Crashes'. The 'Activation Keys' page title is 'Activation Keys' with a '+ Create Key' button. A description states: 'Activation Keys are used to register systems. Systems registered with an activation key will inherit the characteristics defined by that key.' Below this, a box explains the 'Universal Default' key: 'If a universal default activation key is set for your organization, then systems registered to your organization will inherit the properties of that key by default without the need to explicitly specify that key during registration.' A message indicates: 'You do not currently have a universal default activation key set. To set a key as the universal default, please visit the details page of that key and check off the 'Universal Default?' checkbox.' Below this, a section titled 'All Activation Keys' states: 'The following activation keys have been created for use by your organization.' A table follows with columns 'Description', 'Key', and 'Usage'. The table is empty, showing 'No activation keys available'. A tip at the bottom states: '*Tip: This key is your organization's universal default activation key.'

Kies een naam die de basechannel beschrijft, selecteer de basechannel waar de key voor is en druk op **Create Activation Key**

The screenshot shows the Spacewalk web interface. The top navigation bar includes links for English (change), Knowledgebase, Documentation, and user information (admin). A search bar is present with 'Systems' selected. The main navigation menu has tabs for Overview, Systems, Errata, Channels, Audit, Configuration, and a summary bar showing '0 systems selected' with 'Manage' and 'Clear' buttons. Below the navigation bar, a sidebar on the left lists various system management options, with 'Activation Keys' highlighted. The main content area is titled 'Create Activation Key' and 'Activation Key Details'. It contains several form fields: 'Description' (filled with 'CentOS-7-x86_64-base-key'), 'Key' (filled with '1-'), 'Usage' (empty), and 'Base Channels' (a dropdown menu showing 'centos_7-x86_64'). There are checkboxes for 'Add-On Entitlements' (Virtualization) and 'Universal Default'. A tip at the bottom explains the universal default key. A green 'Create Activation Key' button is at the bottom of the form.

English (change) Knowledgebase Documentation admin

Systems Search

Overview Systems Errata Channels Audit Configuration 0 systems selected Manage Clear

Schedule Users Admin Help

> Overview
> Systems
> System Groups
> System Set Manager
> Advanced Search
> Activation Keys
> Stored Profiles
> Custom System Info
> Kickstart
> Software Crashes

Create Activation Key

Activation Key Details

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

Description:
CentOS-7-x86_64-base-key

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:
1-

Leave blank for automatic key generation. Note that the prefix is an indication of the Spacewalk organization the key is associated with.

Usage:

Leave blank for unlimited use.

Base Channels:
centos_7-x86_64

Choose "Spacewalk Default" to allow systems to register to the default Red Hat provided channel that corresponds to their installed version of Red Hat Enterprise Linux. You may also choose particular Red Hat provided channels or custom base channels here, but please note if a system using this key is not compatible with the selected channel, it will fall back to its Red Hat default channel.

Add-On Entitlements:
☐ Virtualization

Universal Default:
☐

Tip: Only one universal default activation key may be set for this organization. By setting this key as universal default, you will remove universal default status from the current universal default key if it exists. If this key is set as universal default, then newly-registered systems to your organization will inherit the properties of this key.

Create Activation Key

De key is nu aangemaakt, ga naar het tweede tabblad **Child Channels** en selecteer extras en updates en druk op **Update Key**. Nu heeft een systeem dat met deze key wordt geregistreerd automatisch deze repo's er bij.

Attach a Centos client

Log in op de client en wordt root of gebruik sudo om de commando's uit te voeren.

installeer de nodige cliënt software:

```
yum install rhn-client-tools rhn-check rhn-setup rhnsd m2crypto yum-rhn-plugin
```

In de webinterface van spacewalk zoek je de key op in **Systems** en **Activation Keys**. het gaat om de lange string beginnend met 1-1, in ons geval: 1-1d797f8f4439ac17527655a86a2f47b8

kopieer dit en doe op de client:

```
rhnreg_ks --serverUrl=http://spacewalk.domain.nl/XMLRPC --  
activationkey=1-1d797f8f4439ac17527655a86a2f47b8
```

Het duurt even maar dan is de client geregistreerd. dit kun je zien in het menu **Systems**

Oude repositories uitzetten

Omdat Spacewalk nu de repositories verzorgt is het belangrijk om de oude repositories te disabelen.

Ga naar `/etc/yum.repos.d` en zet daar bij alle repositories gedefinieerd in de files daar `enabled=0` bij. Bijvoorbeeld in `CentOS-Base.repo`:

```
[base]  
name=CentOS-$releasever - Base  
mirrorlist=http://mirrorlist.centos.org/?release=$releasever&arch=$basearch&  
repo=os&infra=$infra  
#baseurl=http://mirror.centos.org/centos/$releasever/os/$basearch/  
gpgcheck=1  
enabled=0  
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
```

check interval

Een verbonden client doet een call home naar de spacewalk server met `rhnsd`.

Het interval waar dit mee gebeurt staat op 240 minuten (4 uur) dat vind ik persoonlijk wat te lang.

Je kan dit aanpassen in de file `/etc/sysconfig/rhn/rhnsd` de minimum waarde is een uur, dus 60:

```
INTERVAL=60
```

Je kan ook handmatig een callback forceren door `rhn_check -vvv`

Debian clients

Wordt aan gewerkt

Bronnen

<http://www.unixmen.com/how-to-manage-spacewalk-channels-and-repositories/>

<http://htfdidt.blogspot.nl/2013/12/spacewalk-20-part-4-activation-keys.html>

<https://fedorahosted.org/spacewalk/wiki/RegisteringClients>

<http://serverfault.com/questions/411262/spacewalk-doesnt-install-package-unless-rhn-check-executed-on-client>

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