

## Synnefo - Feature # 849

<b>Status:</b>	Closed	<b>Priority:</b>	High
<b>Author:</b>	Faidon Liambotis	<b>Category:</b>	Admin
<b>Created:</b>	07/17/2011	<b>Assignee:</b>	Giorgos Verigakis
<b>Updated:</b>	09/15/2011	<b>Due date:</b>	
<b>Subject:</b>	snf-admin should be made as a simple web interface		
<b>Description</b>	Changes such as the ones that can be made in the snf-admin command-line tool, should be possible via a simple web interface, since people doing such changes may not always have console access. Nothing fancy or RESTful, just a plain ol' Django app that can do some changes. Perhaps even the Django admin interface could suffice (which currently can't work).		
<b>Related issues:</b>	related to Synnefo - Feature # 995: Admin tool to collect and display statist... <b>Assigned</b> <b>08/04/2011</b> <b>11/11/2011</b>		

### Associated revisions

#### Revision 1f06d8ff - 08/28/2011 11:53 pm - Giorgos Verigakis

Initial import of the admin web interface

Refs #849

#### Revision f5c6e3f4 - 08/31/2011 12:41 pm - Giorgos Verigakis

Add some Ganeti stats on admin home

Refs #849

Refs #995

#### Revision 4416efc0 - 08/31/2011 05:47 pm - Giorgos Verigakis

Add metadata support in image tab

Refs #849

#### Revision 89ea9dbc - 08/31/2011 06:30 pm - Giorgos Verigakis

Add user deletion support

Fixes #849

#### Revision 5f75e534 - 09/07/2011 05:31 pm - Giorgos Verigakis

Add user deletion support

Fixes #849

**Revision 4dddade29 - 09/07/2011 05:31 pm - Giorgos Verigakis**

Add metadata support in image tab

Refs #849

**Revision 17852fe9 - 09/07/2011 05:31 pm - Giorgos Verigakis**

Add some Ganeti stats on admin home

Refs #849

Refs #995

**Revision 3f94a1ae - 09/07/2011 05:31 pm - Giorgos Verigakis**

Initial import of the admin web interface

Refs #849

**Revision df641826 - 09/07/2011 05:34 pm - Giorgos Verigakis**

Fix bug that prevented images from being listed

Refs #849

**Revision 811a68f5 - 09/08/2011 04:16 pm - Giorgos Verigakis**

Admin UI improvements

- Add a banner
- Append a link to user and server in images\_info

Refs #849

**Revision d1ceb341 - 09/08/2011 04:51 pm - Giorgos Verigakis**

Be more verbose for multiple choices attributes

Refs #849

**Revision 92ebf9c9 - 09/09/2011 12:42 pm - Giorgos Verigakis**

Add some notes about the admin tools

Refs #849

**Revision 53d1692a - 09/09/2011 01:45 pm - Giorgos Verigakis**

Fix banner placement

Refs #849

**Revision e1f81736 - 09/09/2011 03:50 pm - Giorgos Verigakis**

Admin web interface improvements

- Require format on image register
- Log all actions that modify the DB

Refs #849

**Revision 42e7c590 - 09/12/2011 10:57 am - Giorgos Verigakis**

Admin web interface improvements

- Require format on image register
- Log all actions that modify the DB

Refs #849

**Revision 337f8ac3 - 09/12/2011 10:57 am - Giorgos Verigakis**

Fix banner placement

Refs #849

**Revision 9999b451 - 09/12/2011 10:57 am - Giorgos Verigakis**

Add some notes about the admin tools

Refs #849

**Revision 870c24a0 - 09/14/2011 01:00 pm - Giorgos Verigakis**

Admin improvements

- Flavors use the deleted flag instead of deleting the object.
- SynnefoUsers use the DELETED state instead of deleting the object.
- Object lists do not show deleted objects.

Refs #849

Refs #1055

Add state filters in the admin web interface

Refs #849

## History

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### #1 - 07/20/2011 12:41 pm - Vangelis Koukis

- *Category set to Admin*
- *Status changed from New to Assigned*
- *Assignee set to Giorgos Verigakis*
- *Priority changed from Medium to Low*
- *Target version set to v0.7*

### #2 - 08/03/2011 06:47 pm - Vangelis Koukis

- *Target version changed from v0.7 to v0.5.5*

The web app initially should be en par with the current snf-admin command-line tool.

Whenever new functionality gets implemented in the logic layer, both the command-line and the web-based interface will be updated to support it.

### #3 - 08/03/2011 06:47 pm - Vangelis Koukis

- *Priority changed from Low to High*

### #4 - 08/03/2011 08:01 pm - Vangelis Koukis

Also, both the command-line and the web tool should produce an initial, overall, dashboard-like view with vital system stats.

For the command-line tool, explore the addition of a "stats" category.

For the web-based tool, explore the addition of an initial dashboard-like display.

The stats could include total number of VMs, number of users, backend Disk (free/used/total), backend Memory (free/used/total), distribution of VMs per Image, number of users, number of total invitations, perhaps a top-10 of invitation senders, and other links to custom infrastructure. The backend numbers can be retrieved over RAPI.

### #5 - 08/31/2011 06:33 pm - Giorgos Verigakis

A first implementation has been submitted to the admin branch (visible at /admin). However we need a way to restrict access to everything under /admin in order to be able to go into production.

### #6 - 09/01/2011 10:22 am - Giorgos Verigakis

- *Status changed from Assigned to Closed*
- *% Done changed from 0 to 100*

Applied in changeset commit:"89ea9dbc68674ed8a23403506a3649b76e57a534".

**#7 - 09/02/2011 10:17 am - Kostas Papadimitriou**

- Target version changed from v0.5.5 to v0.6

**#8 - 09/07/2011 05:09 pm - Vangelis Koukis**

- Status changed from Closed to Assigned

Looks nice, a few comments:

- Return HTTP 403 instead of "Unauthorized" string.
- Servers tab is unaligned, "Updated" field is wrapped incorrectly, Image field is empty.
- snf-admin should report the types of users supported in the help text for snf-admin user modify --type
- Please update README.admin and README.upgrade with documentation on the admin interface
- Need to log meticulously throughout the admin webif

**#9 - 09/07/2011 05:16 pm - Vangelis Koukis**

A few more things:

- **VERY IMPORTANT:** Make sure to verify **every** deletion, since this can be disastrous with Django's cascading deletes. I accidentally a flavor, and all the VMs went away with it too.
- This also applies to the snf-admin command line tool, the warning for deleting a user should apply almost everywhere [--force, etc].
- it would be great if whenever a foreign key value is needed a combobox or some form of autocompletion was used, so the user may only input valid values.

**#10 - 09/07/2011 05:27 pm - Vangelis Koukis**

Also:

- there should be a way to see all Servers, deleted=True or not.
- there should be a way to filter Servers [later, when we have custom Images, on Images too], initially based on the owner.
- How many Servers may be displayed? Support for pagination?

**#11 - 09/07/2011 05:39 pm - Vangelis Koukis**

Also:

- image register operations should have a mandatory type argument, "dump", "ntfsclone" or otherwise. When the administrator registers a new image, he/she needs to specify its type. This applies both to the command-line and web admin tool.

**#12 - 09/07/2011 06:08 pm - Giorgos Verigakis**

For future reference, Django 1.3 allows finer control of what happens when you delete rows that have foreign keys:

[https://docs.djangoproject.com/en/1.3/ref/models/fields/#django.db.models.ForeignKey.on\\_delete](https://docs.djangoproject.com/en/1.3/ref/models/fields/#django.db.models.ForeignKey.on_delete)

**#13 - 09/08/2011 05:19 pm - Giorgos Verigakis**

- Status changed from Assigned to Closed

Applied in changeset commit:"5f75e534b62df9b9cfb4ab8f2ad69bab021abeda".

**#14 - 09/08/2011 05:21 pm - Giorgos Verigakis**

- Status changed from Closed to Assigned

**#15 - 09/12/2011 11:09 am - Vangelis Koukis**

- Target version changed from v0.6 to v0.6.1

**#16 - 09/13/2011 01:50 pm - Vangelis Koukis**

- Target version changed from v0.6.1 to v0.6.2

**#17 - 09/15/2011 02:01 pm - Vangelis Koukis**

- Target version changed from v0.6.2 to 67

**#18 - 09/15/2011 04:14 pm - Vangelis Koukis**

- Status changed from Assigned to Closed

- Target version changed from 67 to v0.6.2

The functionality has been implemented and merged into master, closing ticket.