

Introduction to Fleet Commander

DevConf.cz 2017

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Large workstation deployments

A hell for the sysadmins

Main tasks:

- Deploy software on machines and configure them
- Deploy user configuration and personal files

Deploying machines

- Configuration management systems
 - Ansible
 - Chef
 - Puppet
 - ...

Deploying profiles

- APOC (2006)
- Sabayon (2007)
- ??? (usually custom made scripts)

Fleet Commander

Our aim

- Easy to manage profiles
- Easy to add settings to that profiles
- Easy to deploy that profiles to the network
- Transparent experience for the final user

Easy to manage profiles

- Graphic session for software configuration (SPICE, Libvirt, SSH)
- Web forms for specifying special configurations

Easy to deploy

- Minimal software installation on client machines for applying configuration at login time
- Minimal configuration on client machines to retrieve profile data and apply it

Fleet Commander components

- Fleet Commander Admin
- Fleet Commander Logger
- Fleet Commander Client

Fleet Commander Admin

- Profile management
- Web based (Cockpit plugin)
- dbus service as backend

Fleet Commander Logger

- Logs configuration changes during Live Sessions
- Transfer that changes to Fleet Commander Admin for reviewing
- Only needed in template virtual machines
- Only activates in Fleet Commander live sessions

Fleet Commander Client

- Downloads profiles from profile server (This will change with FreeIPA integration)
- Compiles all profiles that applies to user at login time
- Applies the configuration

Supported settings

- Web interface
 - Gnome Software highlighted applications
 - Gnome Online Accounts (In progress)
- Live Session
 - GSettings based Applications
 - LibreOffice
 - Network manager (preconfiguration of VPN, WiFi...)

Future releases

- In progress integration with FreeIPA
- Enhancements in UI and UX

Demo



Project information

Source code at GitHub:

- <https://github.com/fleet-commander/>

GNOME Wiki documentation

- <http://wiki.gnome.org/Projects/FleetCommander>

Contact me

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THANK YOU