Smart Proxy - Feature #27416

how to specify alternative configuration

07/24/2019 12:12 PM - Stephan Schultchen

Status:	New		
Priority:	Normal		
Assignee:			
Category:			
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:	No	**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Hi,

i would like to be able to run more then one Foreman Smart Proxy on the same system, for this i need a way to specify an alternative configuration file/path.

is there a way to do this, or is the config path hard coded, which means it is currently not possible to start more then one smart proxy on the same host?

Kind Regards,

Stephan

History

#1 - 01/10/2022 02:27 PM - Ewoud Kohl van Wijngaarden

- Tracker changed from Support to Feature

It looks like that currently isn't possible. The settings path has a hardcoded default (relative to the code in config, packages create a symlink for that):
https://github.com/theforeman/smart-proxy/blob/7b3508a8444c04148f6c99f426a5de5d805f99a6/lib/proxy/settings.rb#L8-L10

As you can see, it can be overridden via a parameter, but the calling code doesn't do that:
https://github.com/theforeman/smart-proxy/blob/7b3508a8444c04148f6c99f426a5de5d805f99a6/lib/smart_proxy_main.rb#L40

This would be a new feature.

The cleanest implementation would be to respect the $CONFIGURATION_DIRECTORY environment variable that systemd sets. From man 5 systemd.exec:

```
┌────────────────────┬───────────────────────┬───────────────────────┬────────────────────────
│Directory           │ Below path for system units │ Below path for user units │ Environment variable set
│                    │                       │                       │
├────────────────────┼───────────────────────┼───────────────────────┼────────────────────────
┤
│RuntimeDirectory=   │ /run/                 │ $XDG_RUNTIME_DIR      │ $RUNTIME_DIRECTORY
│                    │                       │                       │
├────────────────────┼───────────────────────┼───────────────────────┼────────────────────────
┤
│StateDirectory=     │ /var/lib/             │ $XDG_CONFIG_HOME      │ $STATE_DIRECTORY
│                    │                       │                       │
├────────────────────┼───────────────────────┼───────────────────────┼────────────────────────
┤
│CacheDirectory=     │ /var/cache/           │ $XDG_CACHE_HOME       │ $CACHE_DIRECTORY
│                    │                       │                       │
├────────────────────┼───────────────────────┼───────────────────────┼────────────────────────
┤
│LogsDirectory=      │ /var/log/             │ $XDG_CONFIG_HOME/log/ │ $LOGS_DIRECTORY
│                    │                       │                       │
├────────────────────┼───────────────────────┼───────────────────────┼────────────────────────
```

ConfigurationDirectory=	/etc/	$XDG_CONFIG_HOME	$CONFIGURATION_DIRECTORY

Then you can create multiple systemd units.

#2 - 01/10/2022 02:51 PM - Ewoud Kohl van Wijngaarden

Note that that feature is only available in systemd 240 and EL8 ships 239.

ConfigurationDirectory=	/etc/	$XDG_CONFIG_HOME	$CONFIGURATION_DIRECTORY