

supportconfig-utils

Vision for tools

- Deliver **fastest possible path** from being given a supportconfig to start useful debugging
- Make most likely **area to investigate immediately available**
- Make **debugging as efficient as possible**
- Extend to **support all SUSE products** out of the box

Overview of tools used

- supportconfig-utils is built using:
 - **Inav** - Log file navigator
 - **tmux** - terminal multiplexer
 - **unpack** - utility for unpacking any kind of archive

Install and Configure

- Install the supportconfig-utils package (this also installs tmux-lib)
 - `zypper in supportconfig-utils`
- Default terminal session launched using `xdg-terminal`
- Can be changed in `~/.config/supportconfig-utils/tmux-window` or `/etc/sysconfig/supportconfig-utils`
 - `SUPPORTCONFIG_UTILS_TMUX_TERMINAL="urxvt-256color -g 200x60 -e"`

Workflow

unpack -> sets up new tmux session -> Inav filters

Introduction to tmux

How to use it?

tmux windows

- 0: spare shell window
- VM: /var/log/messages
- lcc: local chef client
- cc: chef-client

supportconfig-tmux features

- Initial commands are "pushed" in as simulated keystrokes
=> can reuse shell history
- Inav2 wrapper
- List of deployment layout, i.e. nodes and clusters
- Tmux window per node
- Option to configure auto-delete supportconfig files at the end (after closing the tmux session)
- Inav2 will show an error after launching supportconfig-utils
- sets up r/R keyboard shortcuts for jumping by minute

Cloud specific features

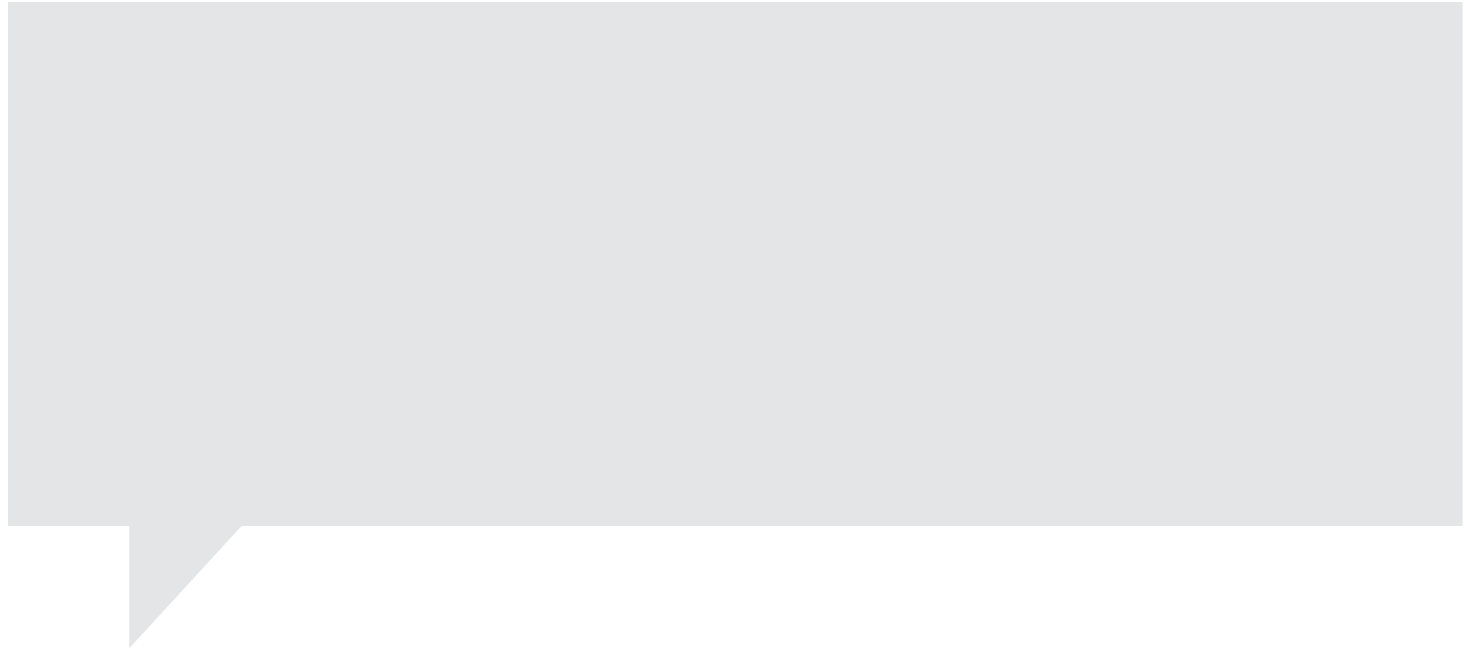
- Inav-crowbar-admin
- Inav-chef-sync-marks
- post-process-crowbar-logs

supportconfig-tmux-safe

- When unpack fails will show the error before closing the session

postprocessing

- Extraction of "topics" (keystone, nova, ...)
- Could add an 'annotations' file with timestamp / comment to add personal comments to the Inav views
- Mapping of MAC and IP addresses to aliases for readability
- Postprocessor stdout can be xarg'ed into Inav to look at the relevant logfiles in an Inav session



Thank you.







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