MASTERFILES POLICY FRAMEWORK: A SHORT HISTORY AND FUTURE DIRECTION

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FORK ME ON GITHUB!

https://github.com/nickanderson/presentation-MPF-history

INTRODUCTIONS

MY NAME IS NICK.

- Wife, 2 kids, and a dog
- Sysadmin/Infrastructure Engineer
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How about you?

WHAT IS THE MASTERFILES POLICY FRAMEWORK?

- **MPF** for short
- The **default** policy set
- A **starting place** to build upon
- Something that **grew organically** (*at least from my perspective*)

MPF TIMELINE

3.0 (2009)

- Example policy shipped in
  `/usr/local/share/doc/cfengine/inputs`
  - `promises.cf`
  - `failsafe.cf`
  - `update.cf`
  - `library.cf`
  - `site.cf`

3.1 (2010)

- Example policy shipped in
  `/usr/local/share/doc/cfengine/inputs`
  - `promises.cf`
  - `failsafe.cf`
  - `update.cf`
  - **`cfengine_stdlib.cf`**
  - `site.cf`

3.2 (2011)

- **Example policy shipped in
  /usr/local/share/doc/cfengine/example_config**
  - `promises.cf`
  - `failsafe.cf`
  - `update.cf`
  - `cfengine_stdlib.cf`
  - `site.cf`

3.3 (2012)

- The first hint of a base policy set
  - Base policy shipped in
    `/var/cfengine/share/CoreBase`
- **`promises.cf`**
- **`failsafe.cf`**
- `cfengine_stdlib.cf`

3.4 (2012)

- Base policy shipped in `/var/cfengine/share/CoreBase`
- Structure arrives:
  - `controls/<component>.cf`
  - **`failsafe/failsafe.cf`**
  - **`def.cf`**
  - **`services/`**
  - **`libraries/cfengine_stdlib.cf`**
  - **`cf-sketch-runfile.cf`**

3.5 (2013)

- Base policy shipped in
  /var/cfengine/share/CoreBase
- controls/<component>.cf
- failsafe/failsafe.cf
- def.cf
- services/
- libraries/cfengine_stdlib.cf
- cf-sketch-runfile.cf

3.6 (2014) … OH MY

- Moved out of core, into its own repository
- Testing added
- Stdlib rendered in docs
- Build/install with make
- Base policy shipped in
  `/var/cfengine/share/CoreBase`
  - **Used for both Enterprise and Community builds**
- **`cfe_internal/`**
- **`inventory/`**
- **`lib/VER/`**
- **`services/autorun/`**
- **`update/`**

3.7 - 3.9 (2015-2016)

- Reduce enterprise policies evaluated on non Enterprise agents
- Improved inline policy documentation
- 3.7.0 Augments file (`def.json`) introduced
  - 3.7.4 augments parsing moved from policy to C
- 3.8 - Version split lib and controls re-combined
- 3.9 - No major structural changes

3.10 (2016)

- MPF rendered in reference manual
- Formal naming convention for adjusting controls via augments
  - `control_<component>_key`

FOR THE FUTURE?

- More augmentation, less modification

WHAT WOULD YOU LIKE TO SEE?

- More augmentation, less modification

Neil Watson   Feb 3

Can default repository be set in def.json?
--
Neil H Watson @neil_h_watson
CFEngine reporting: https://github.com/neilhwatson/delta_reporting
CFEngine policy: https://github.com/neilhwatson/evolve_cfengine_freelib
CFEngine and vim: https://github.com/neilhwatson/vim_cf3

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https://github.com/cfengine/masterfiles/pull/860/files

Created by Nick Anderson.