Red Hat Satellite

Foreman event - July 25, 2019

Rich Jerrido
Product Management
Subscriptions, Satellite

Dana Singleterry
Product Management
Satellite

Red Hat

Who we are:

Red Hat

/bin/whois rjerrido

- Product Manager for Satellite & Subscription Experience
  - Specializing in:
    - Content Delivery
    - Disconnected
    - Registration
    - Subscription Management
    - High Availability & Disaster Recovery
- 9+ years at Red Hat
- Former Technical Marketing Manager
- Resident Pythonista
  - https://github.com/Katello/katello-client-bootstrap
  - https://github.com/RedHatSatellite/rhsmTools
  - https://github.com/RedHatSatellite/sat6Inventory
- @SideAngleSide on Twitter, FreeNode, Github

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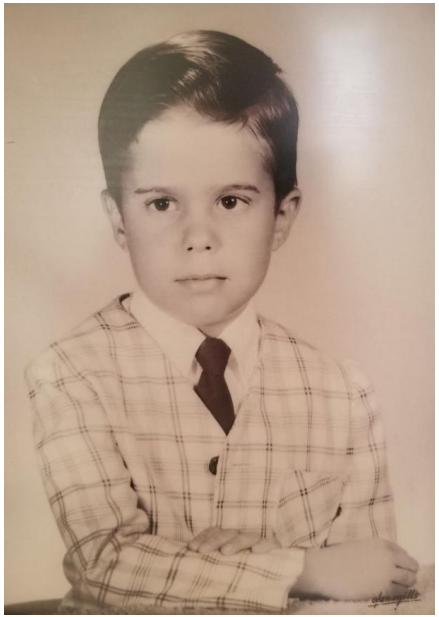
/Dana Singleterry not as cool as jerrido



- Product Manager for Satellite
  - < 1 yr at Red Hat
  - OpenSource… for a while
- Priors
  - ServiceNow - Product Management
  - Dealer.com (aka Cox Auto) - Product Management
  - Oracle - Enterprise Architect / Product Management
  - LendLease - Enterprise Architect
  - Magnet Comm. - Engineering Manager
- Resident
  - Theoretical Physicist / Mathematician
  - MS in CS Parallel Processing / UXD
- DevOps has been a passion

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How Red Hat Satellite Development Works

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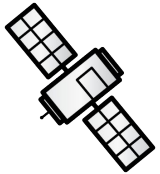
6 Month Cadence

Q318	Q418	Q119	Q219	Q319	Q419	Q120	Q220
Foreman 1.20 Katello 3.9		Foreman 1.22 Katello 3.11		Foreman 1.24 Katello 3.13		Foreman 1.26 Katello 3.15	



Q318	Q418	Q119	Q219	Q319	Q419	Q120	Q220
Satellite 6.4 (Based on 1.18)		Satellite 6.5 (Based on 1.20)		Satellite 6.6 (Based on 1.22)		Satellite 6.7 (Based on 1.24)	

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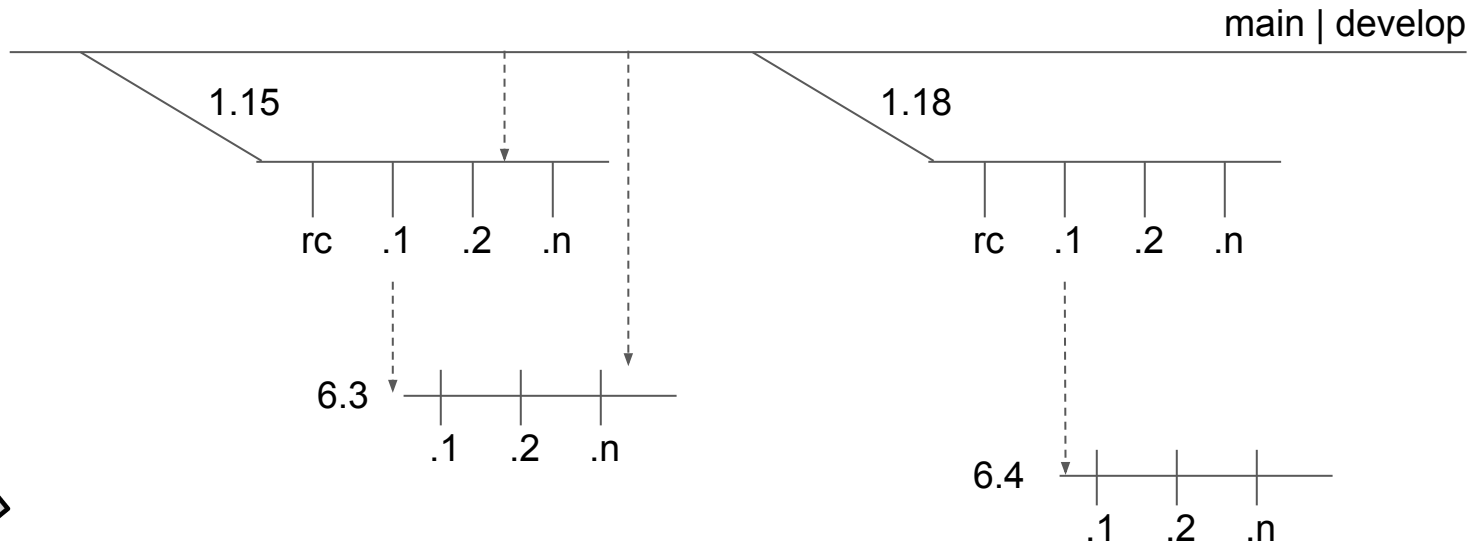
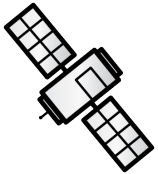
Branching and Cherry-picking





Satellite Roadmap

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Red Hat Satellite

Improving Platform Management Release After Release

Satellite 6.5 / Foreman 1.20

Shipped

- Support RHEL8 clients
  - Patching, Provisioning, Application streams, System purpose, System roles
- Run Satellite & Capsule on FIPS enabled RHEL7
- Reporting Engine (Host statuses, Subscriptions, Registered hosts, Applicable errata)
- Content View Import/Export
- Infoblox IPAM Support
- Support Satellite Installations on Azure, Google, IBM, AWS, and Alibaba

Satellite 6.6 / Foreman 1.22

- Content View Dependency Resolution
- Ansible Variables
- Configure OpenSCAP with Ansible
- Image Builder Integration
- RHV4 API Support
- More Insights Rules for Satellite
- Reporting Follow-On (Email, Scheduling, Applied Errata Rpt)
- Provision on Google Cloud

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Red Hat Satellite

Improving Platform Management Release After Release

Satellite 6.7 / Foreman 1.24

- Support Satellite / Capsule running on RHEL8
- Initiate Upgrading RHEL7 clients to RHEL8 (LEAPP)
- Share inventory with cloud.redhat.com
- Puppet 7
- Integration with Web Console
- Provision on Azure & Kubevirt
- System Purpose improvements

Satellite 6.8 / Foreman 1.26

- Support Satellite / Capsule running only on RHEL8 (start planning now)
- Support Ansible Modules
- Provision on IBM/Alibaba
- IPv6 Support
- Remote Execution Pull Provider
- Advanced Module Management
- Container API improvements (‘sign’ and ‘push’)

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Red Hat Satellite

Improving Platform Management Release After Release

Satellite 7.0 / Foreman 1.xx

- Direct Upgrade from Satellite 6 - No migration
- High Availability and Resiliency Improvements
- Content Improvements (support more content; better import/export)
- Upgrade automation for large fleets of Capsules
- Provisioning Improvements
- Single Postgres Database Instance (no MongoDB)

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Questions?

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