



Using Red Hat Satellite Today & Into the Future

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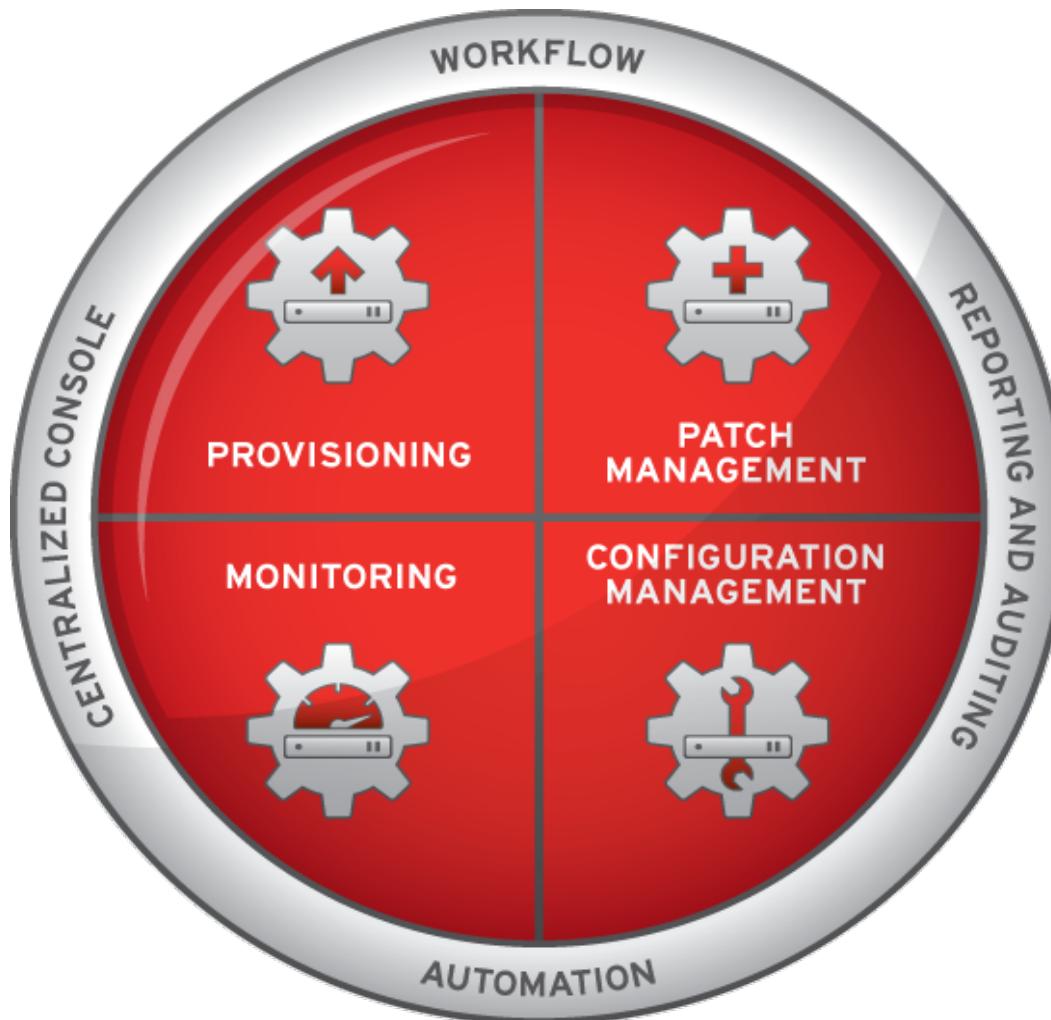
*Engineering Supervisor
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Agenda

- Quick Refresher
- Roadmap Update
- Designing & Developing Red Hat Satellite 6
 - Architectural Essentials
 - Demonstration
 - Managed Design Program
- Summary & Next Steps

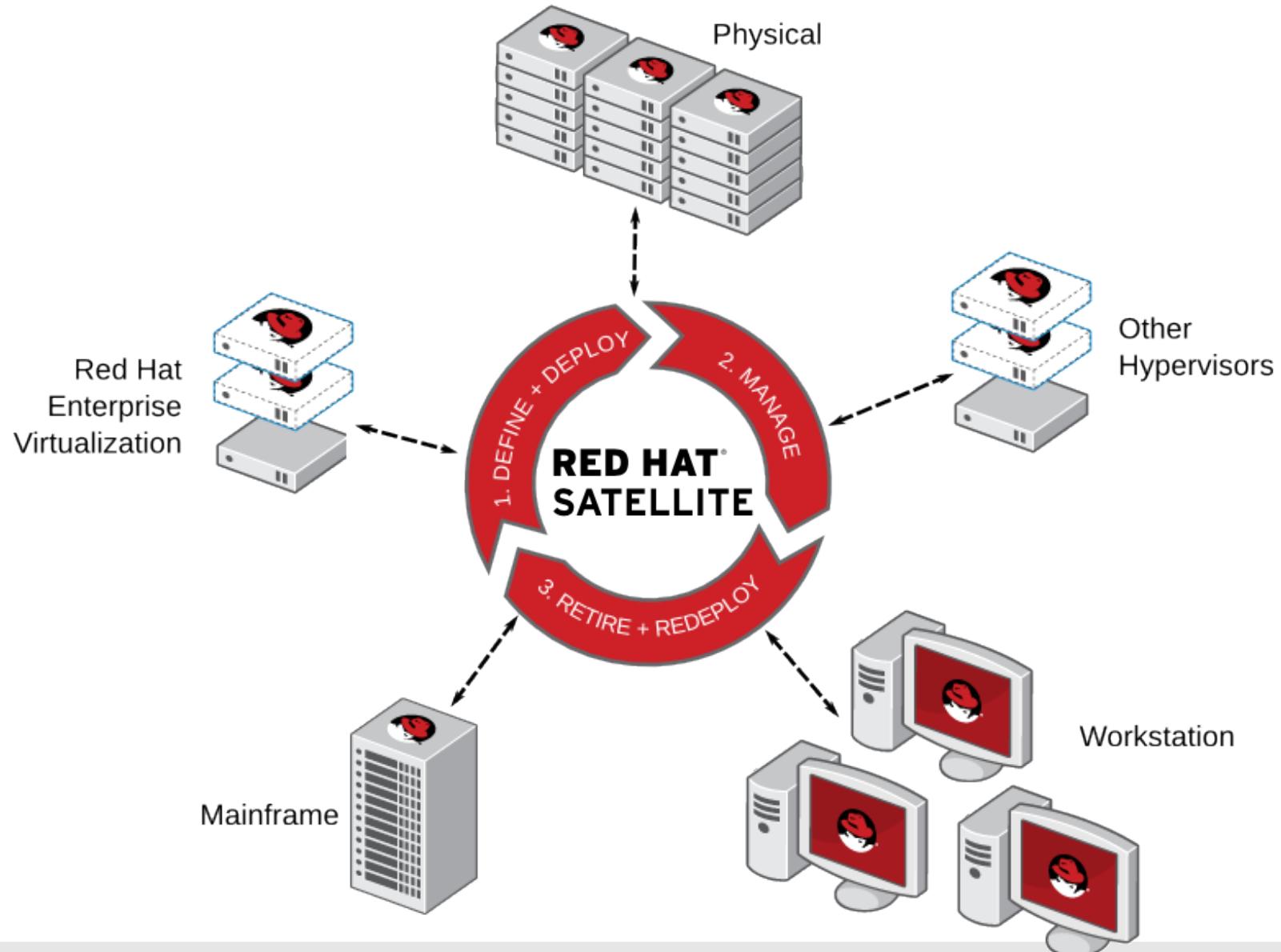
Red Hat Approach to Systems Management



RED HAT® SATELLITE

Red Hat Satellite

Managing Red Hat Enterprise Linux since 2002



Announcing the Development of Red Hat Satellite 6



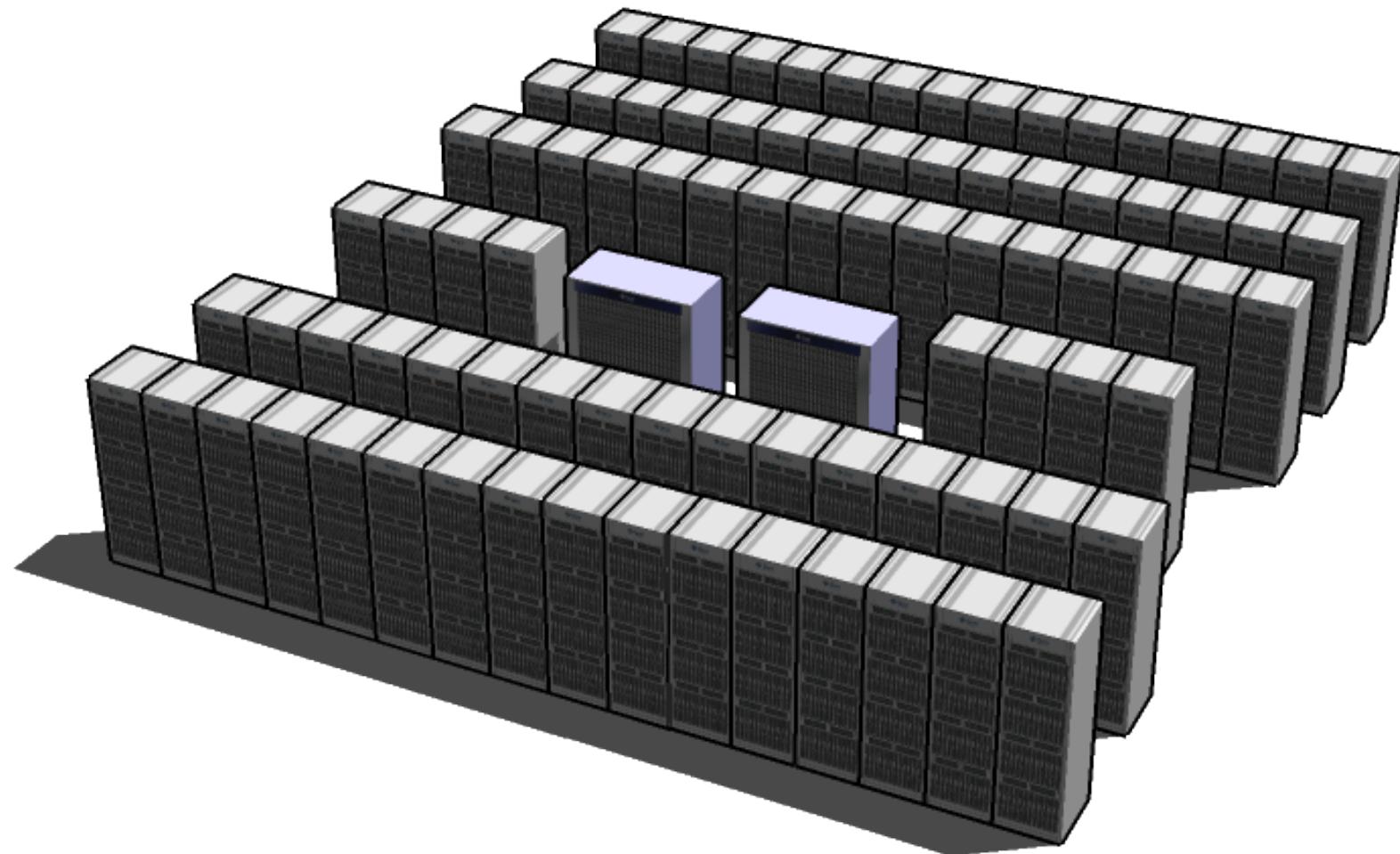
- **Building next generation systems management capabilities demanded by YOU**
 - Helping customers scale and build out their systems management practice into the cloud
- **Continuing to invest in Red Hat Satellite 5**
 - Delivering new features and enhancements
 - Red Hat Satellite 5.6 launching in Fall of 2013



What is driving the need for a new Satellite?

Hyperscale

- Providing systems management 'at scale', providing capabilities at increasing orders of magnitude



Cloud

- Abstracting resources while maintaining compliance, just-in-time workloads, governance driven placement across hybrid clouds



DevOps

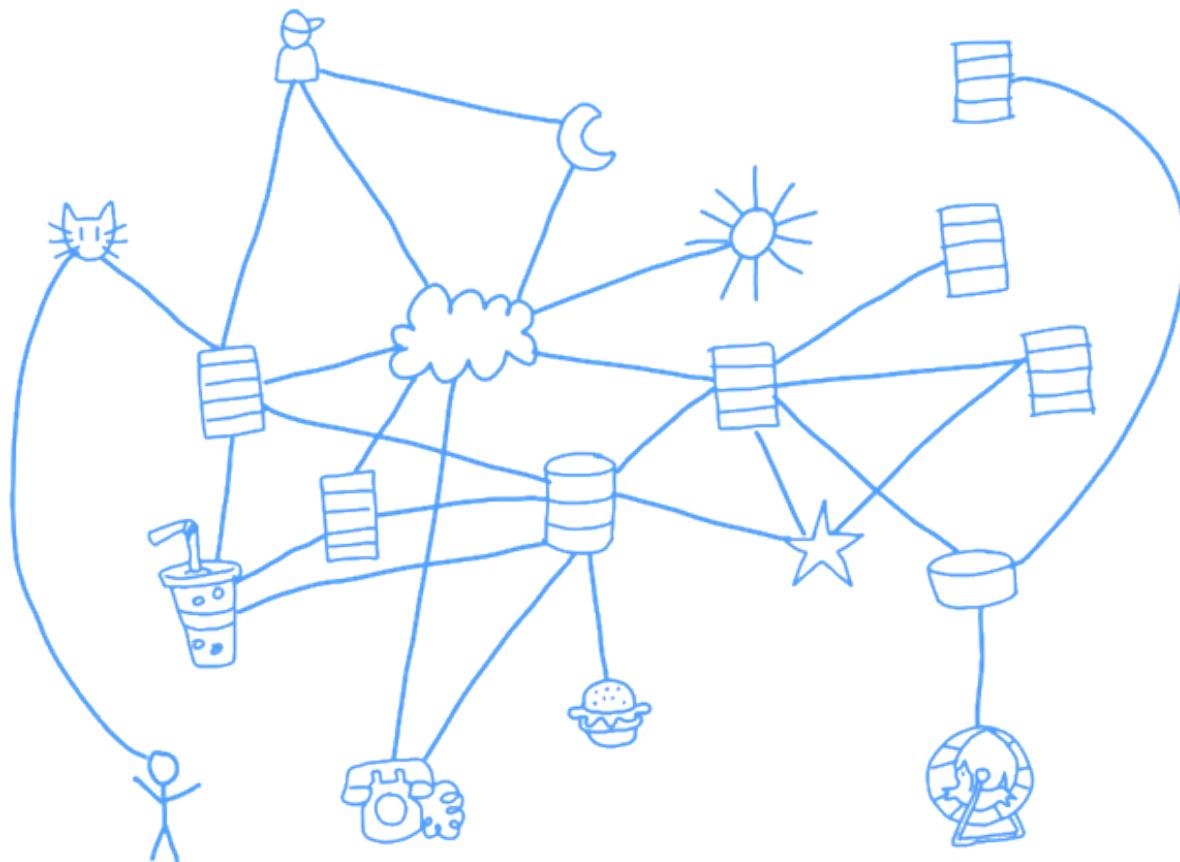
- Providing IT with the right tools & meeting demands such as self-service, flexible life cycle, service catalogs & more



Complexity

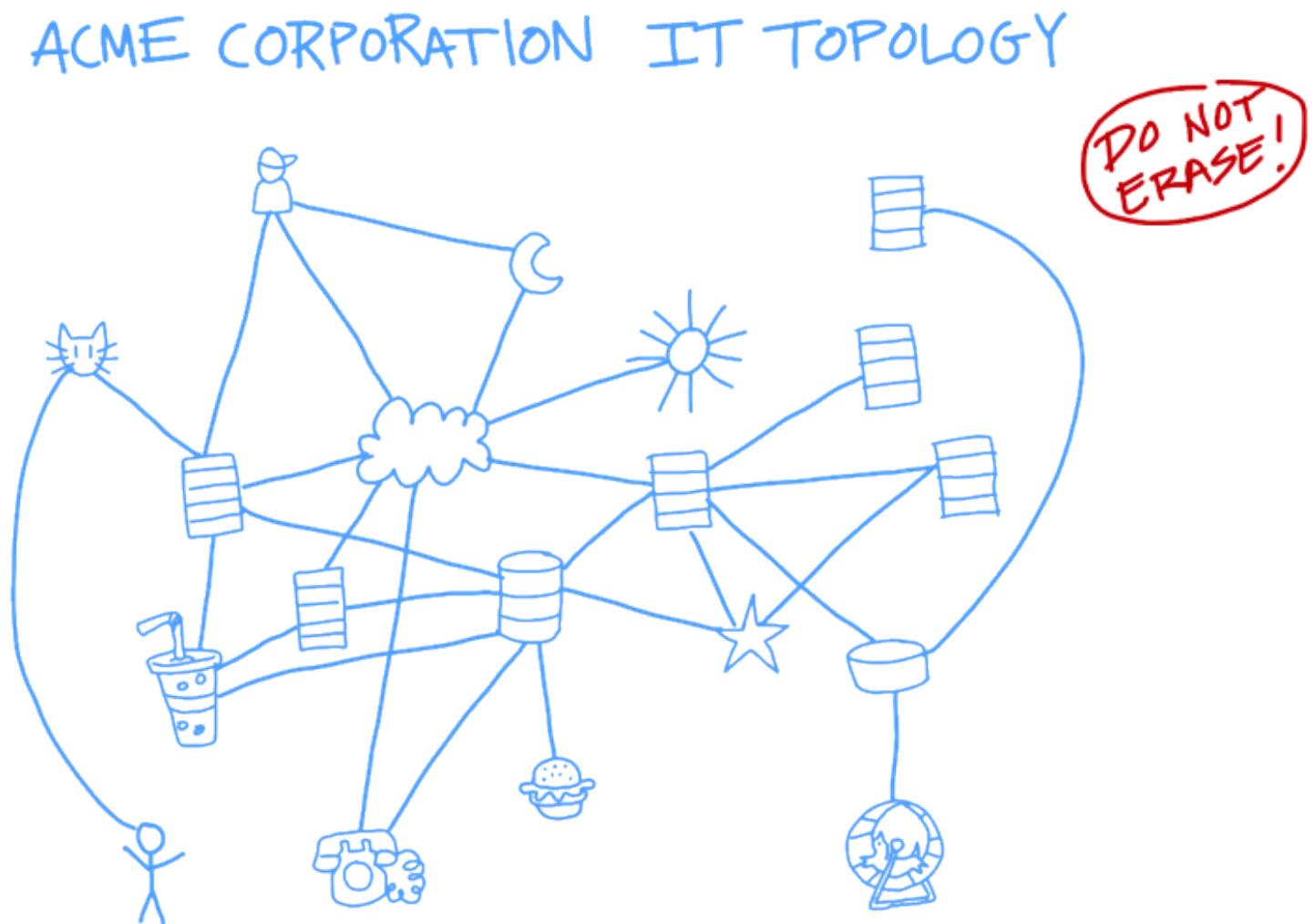
- Refining of user roles, system definitions, and 'as a service' capabilities

ACME CORPORATION IT TOPOLOGY



Complexity

- Refining of user roles, system definitions, and 'as a service' capabilities



Open source solutions

- Amplifying the value of one-off solutions for added customer value



Red Hat Satellite 6 – Launching in 2014

- An entirely new Red Hat Satellite

- Puppet *for Configuration*



- Foreman *for Provisioning*



- Katello *for Content Management*



- Pulp *for Repo Management*



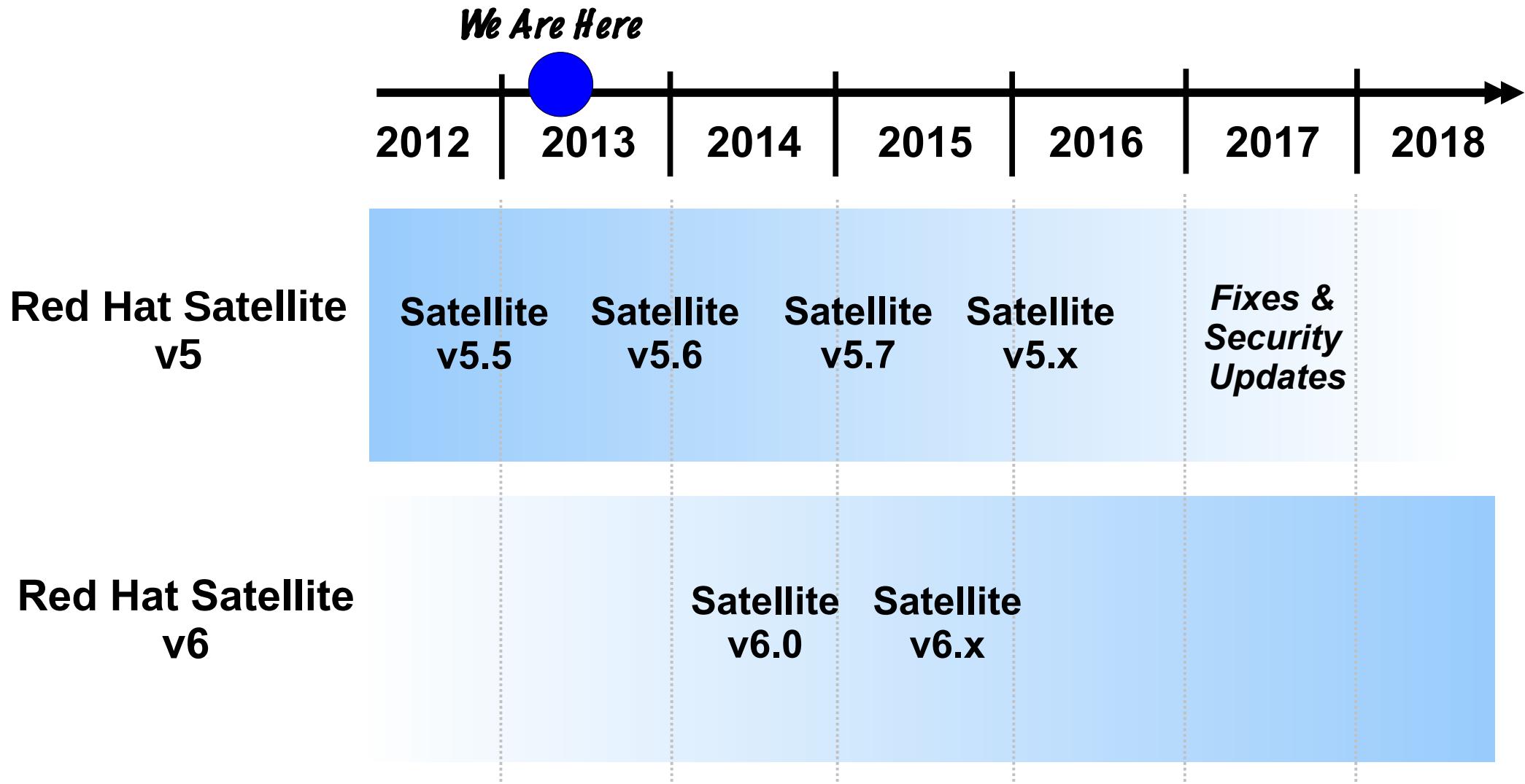
- Candlepin *for Subscription Management*



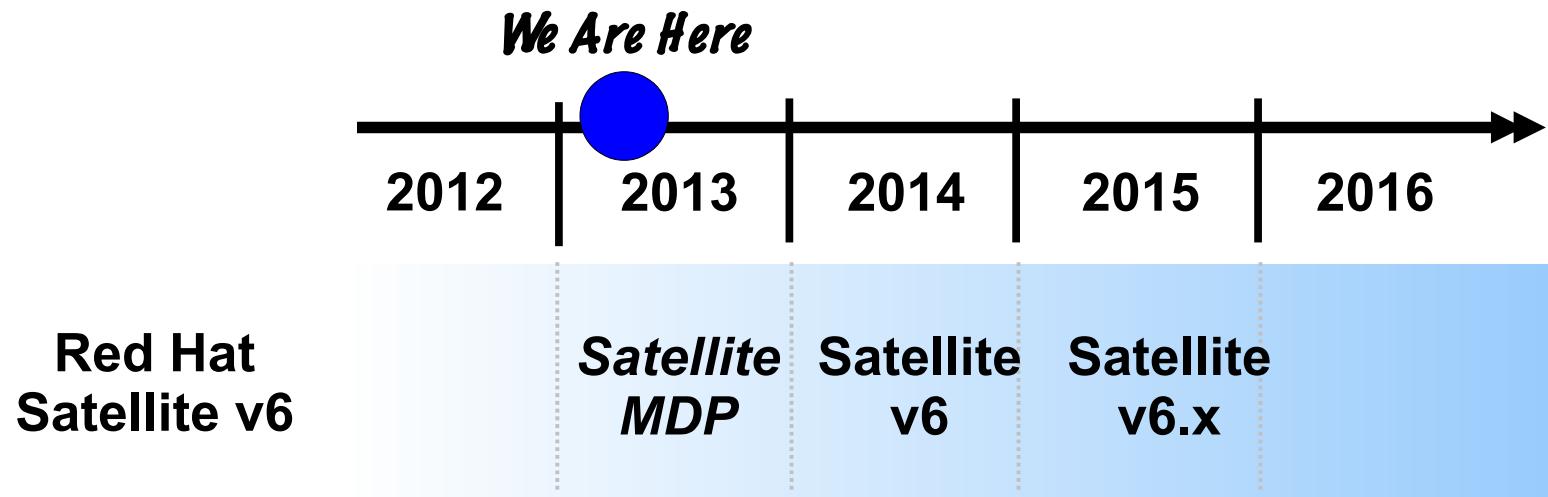
... All Wrapped Up in a Bow



Red Hat Satellite Roadmap



Introducing the Red Hat Satellite 6 Managed Design Program



What is the Satellite Managed Design Program? High-touch program for select customers to be highly involved in the design & development of Satellite v6

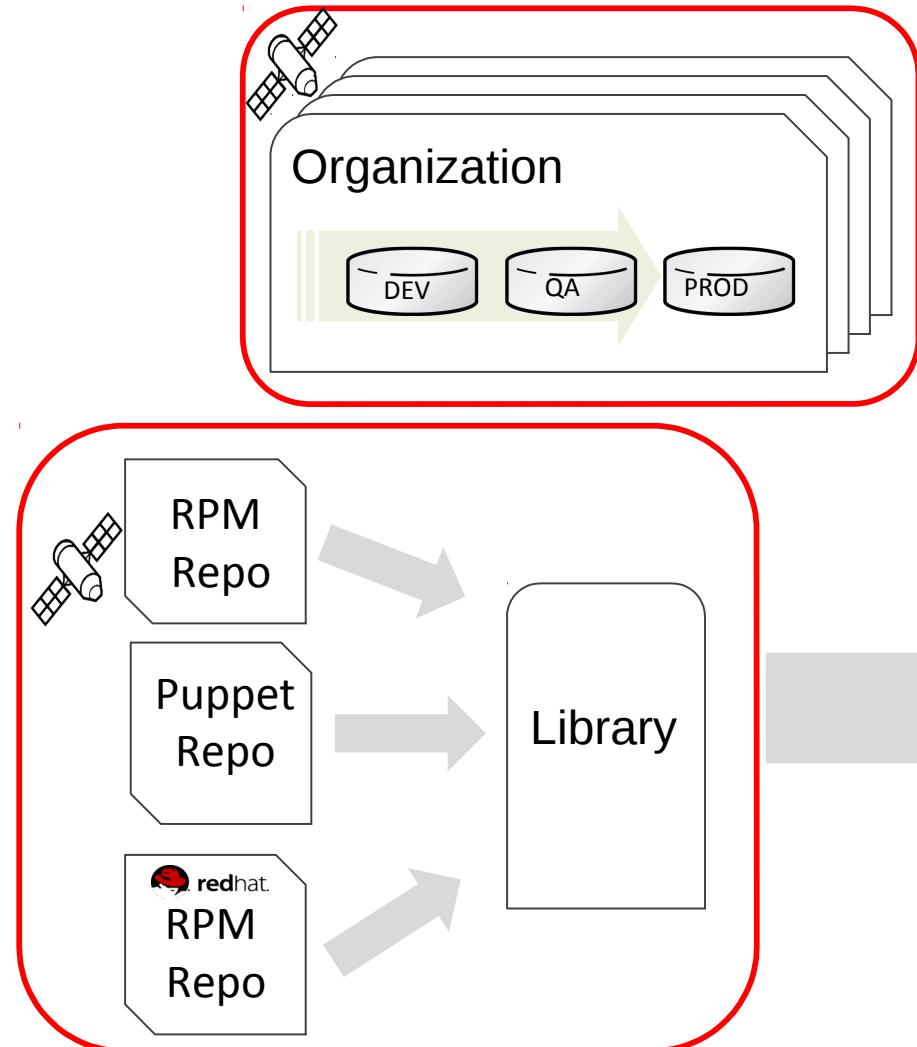
Why participate?

- Vested customers can see and test v6 code in the early stages of development
- Ongoing feedback loops ensure participant feedback is prioritized by Red Hat

Who can participate? In the early stages, only existing Satellite customers are eligible

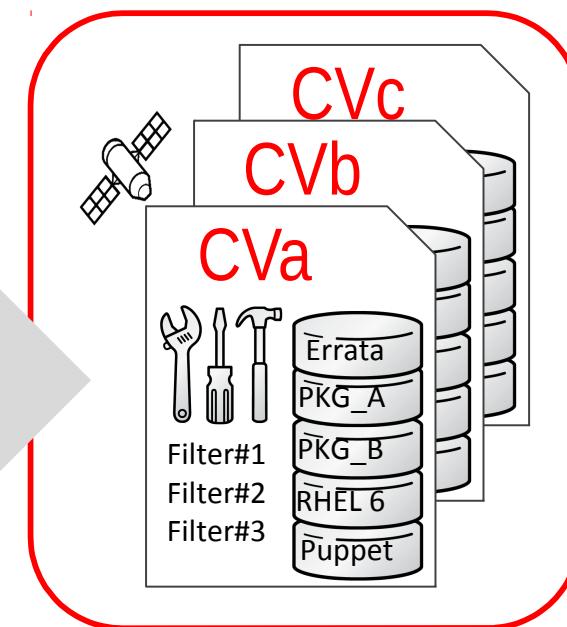
When is the program being launched? Today :-)

Red Hat Satellite 6 Basic Workflow



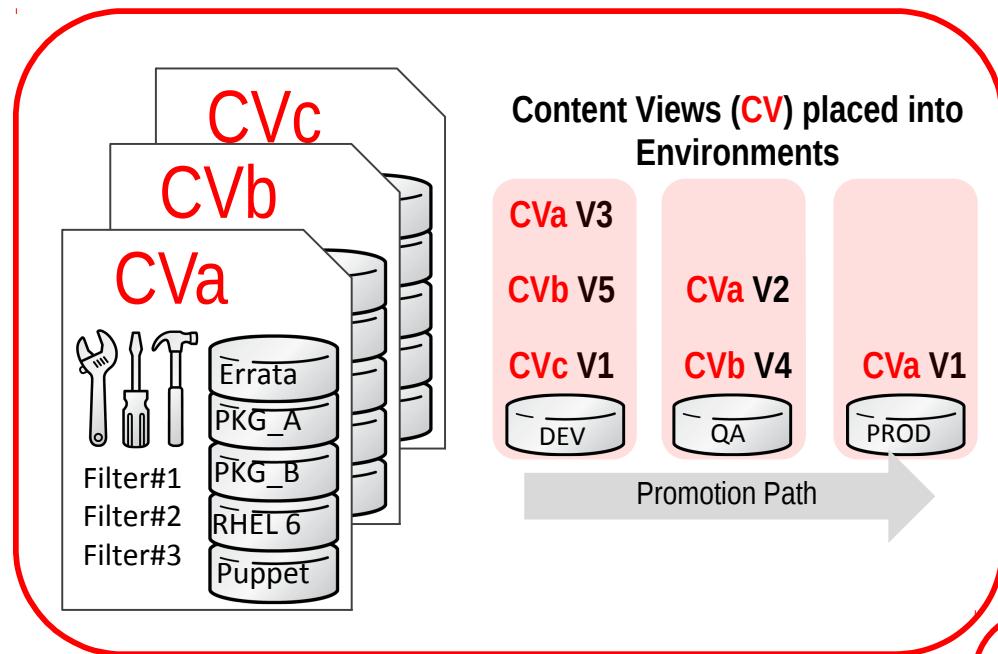
2. Sync content for your workloads

1. Model your Organizations, Environments & Development Lifecycle with promotion paths

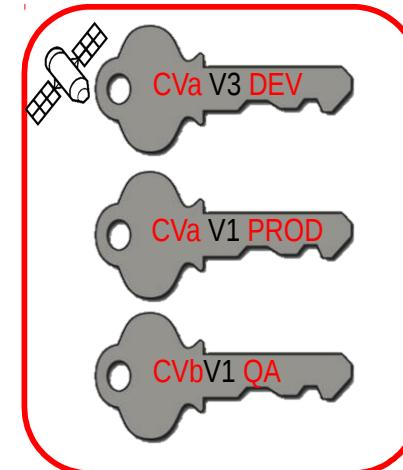


3. Customize content as standardized builds with Content Views (CV)

Red Hat Satellite 6 Basic Workflow



4. Begin promotion cycle by publishing **Content Views** into Environments. Refresh **CV** to rerun rules which increments the version



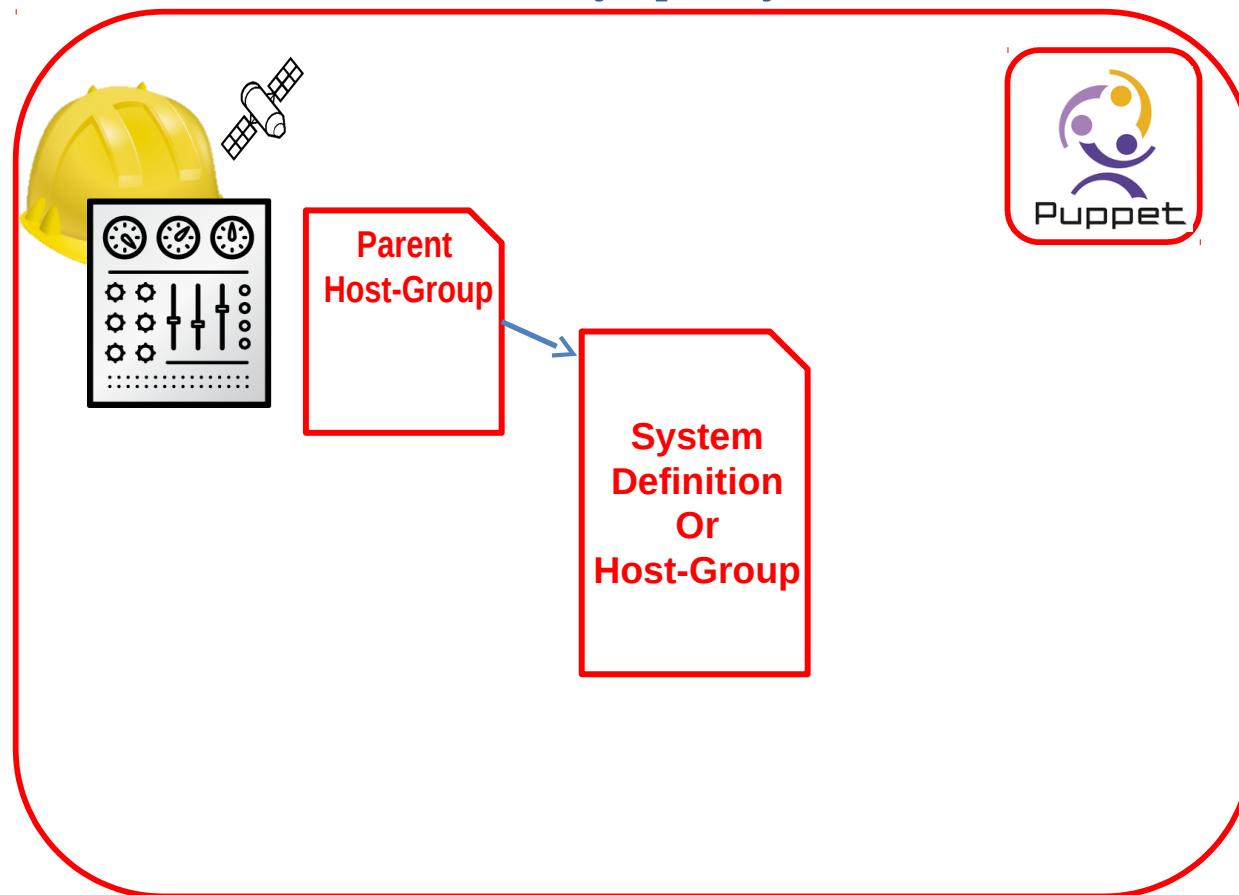
5. Generate activation keys for new system registration



6. Keys get handed off to Foreman for insertion into Kick Start

Red Hat Satellite 6 Basic Workflow

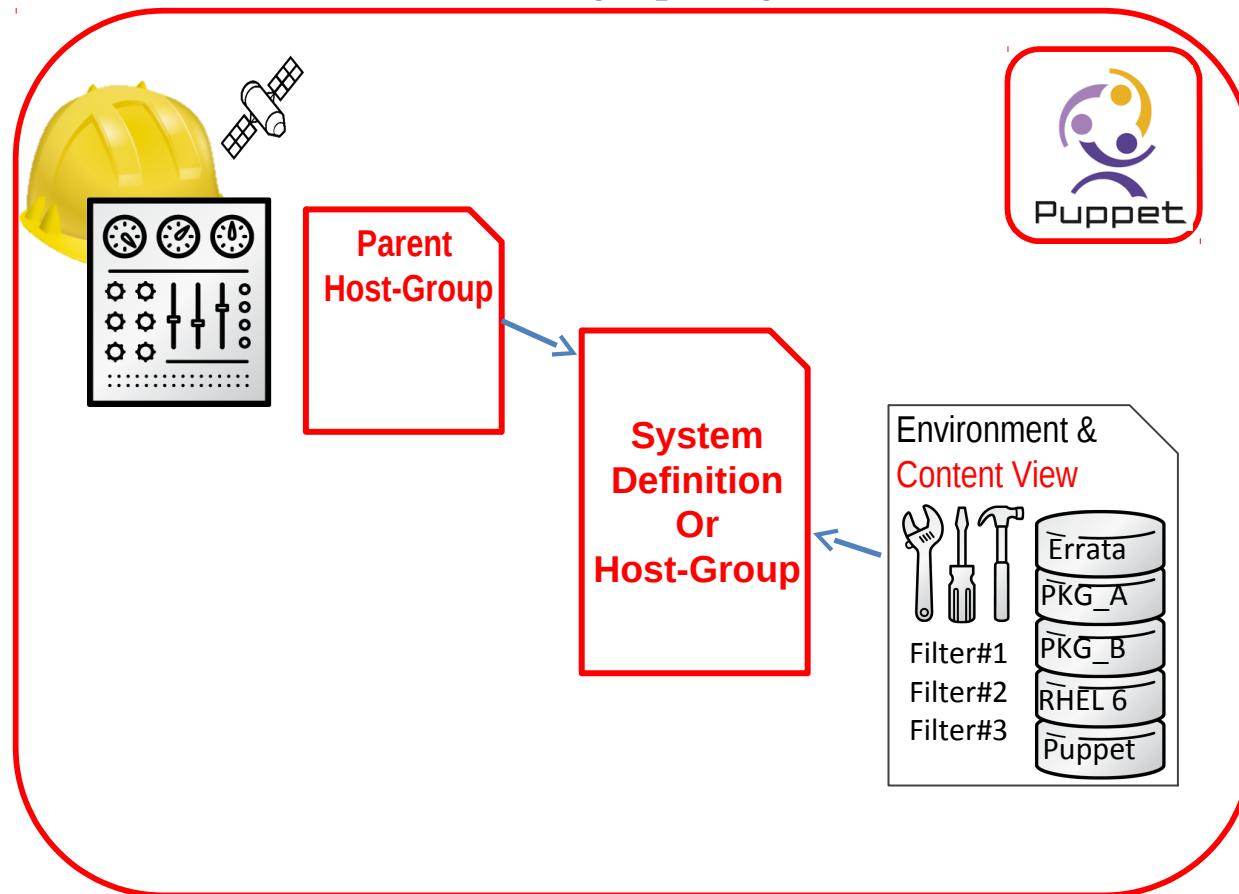
7. Create Host-Group or “System Definition” to fully specify workload



Host Groups can be stacked
e.g.
Apache stacked on RHEL 6.4

Red Hat Satellite 6 Basic Workflow

7. Create Host-Group or “System Definition” to fully specify workload

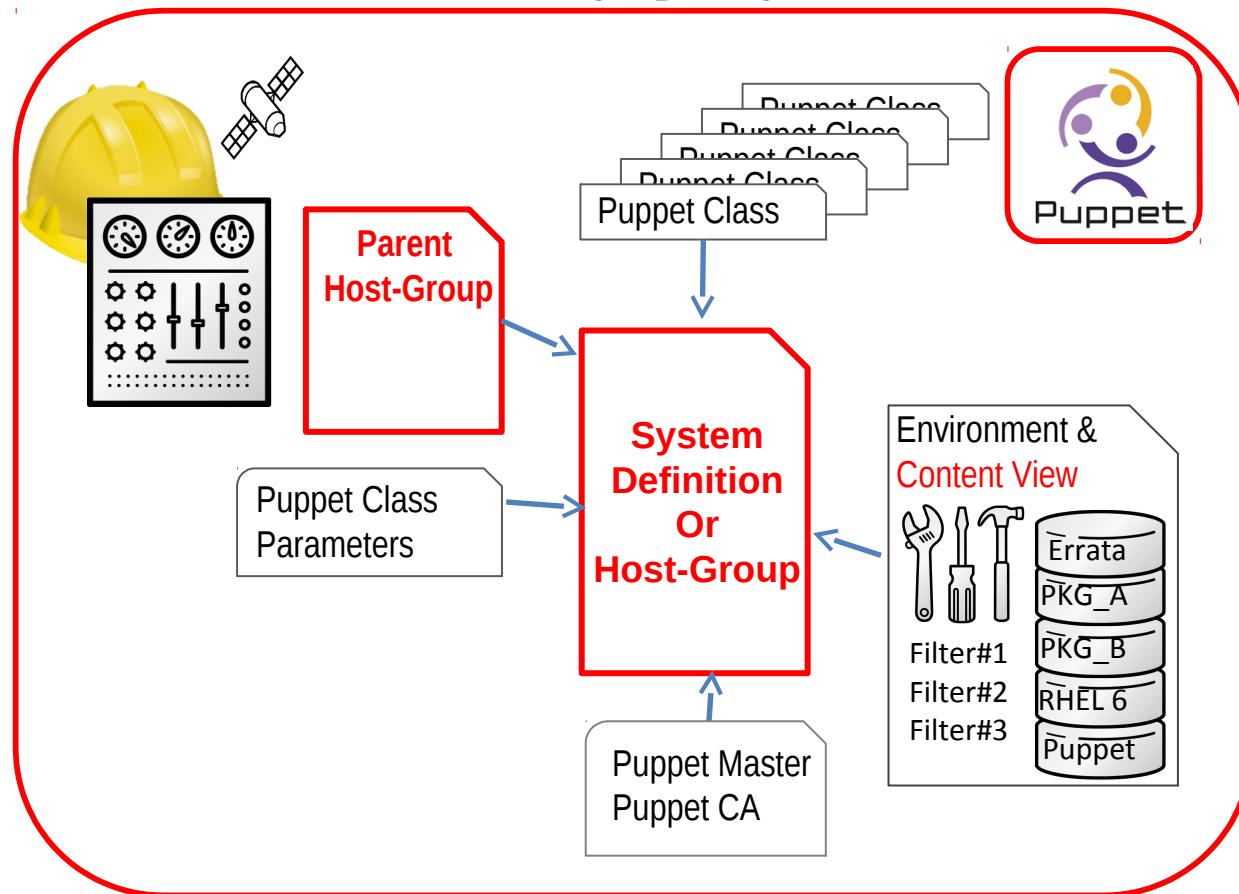


Direct Host Group to *Installation Media*:

This resolves to a **Content View** mapped to an Environment

Red Hat Satellite 6 Basic Workflow

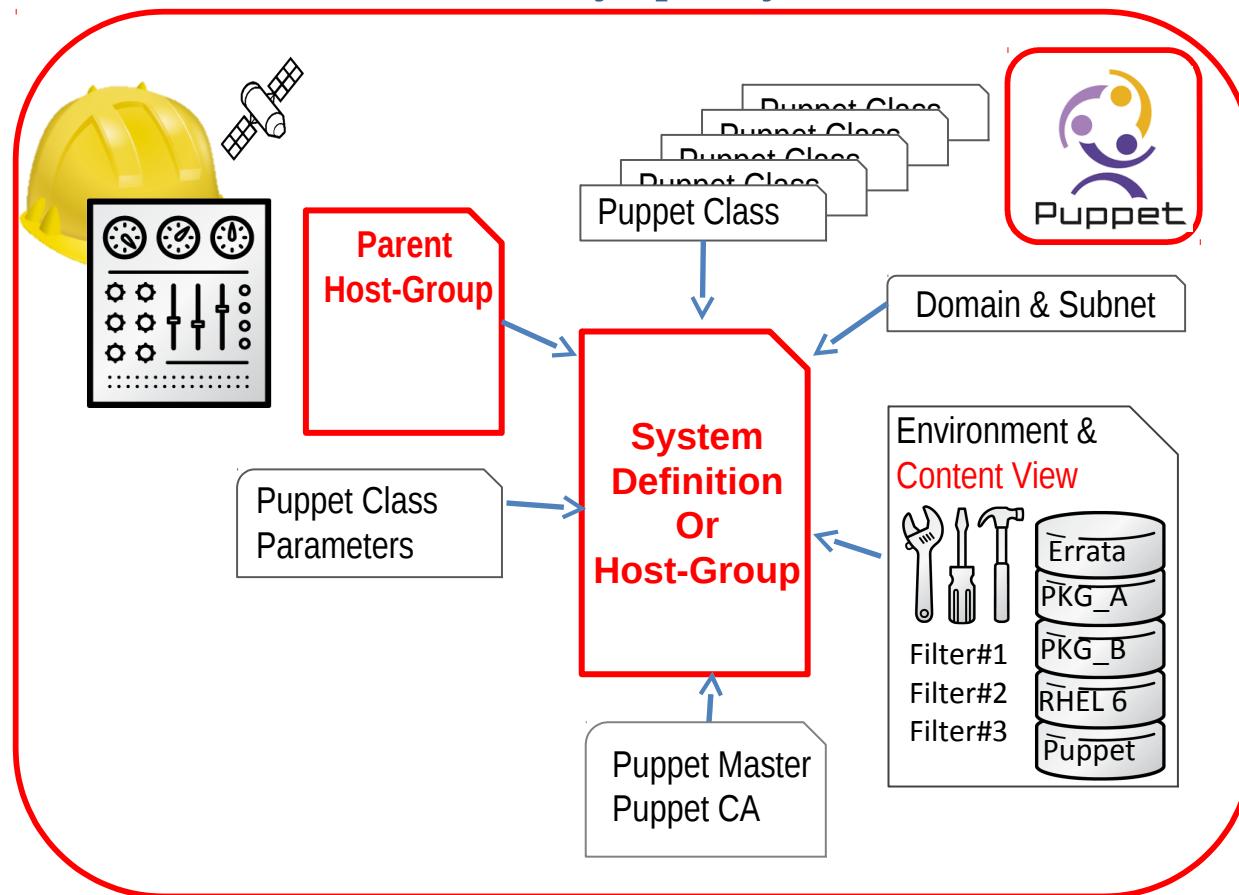
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Add Puppet Classes & related artifacts

Red Hat Satellite 6 Basic Workflow

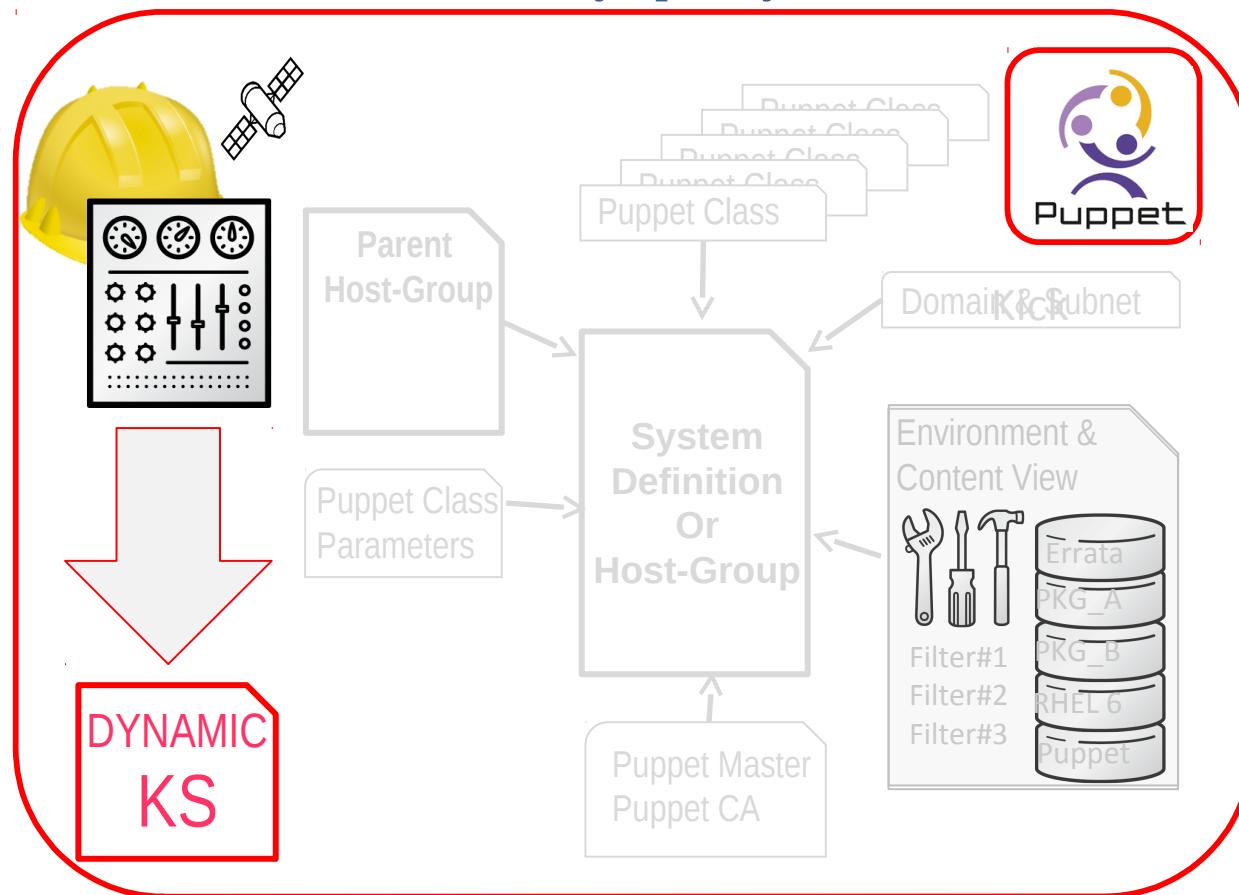
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Specify the Domain & Subnet for the “new host”

Red Hat Satellite 6 Basic Workflow

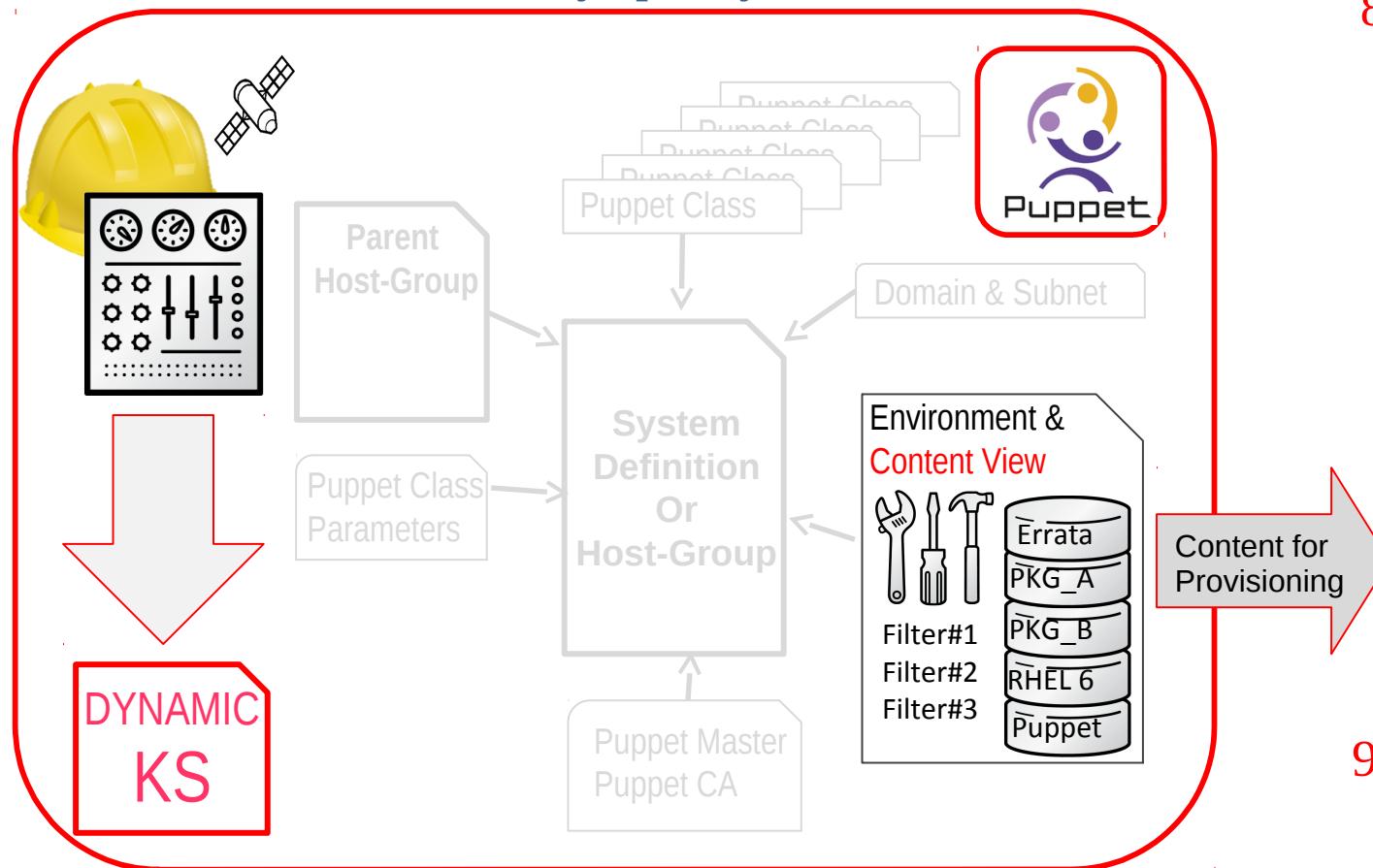
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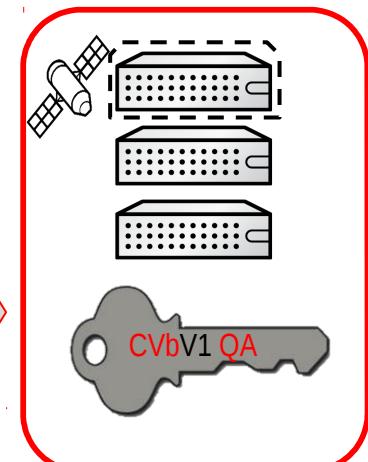
Satellite 6 creates the Kick Start file

Red Hat Satellite 6 Basic Workflow

7. Create Host-Group or “System Definition” to fully specify workload

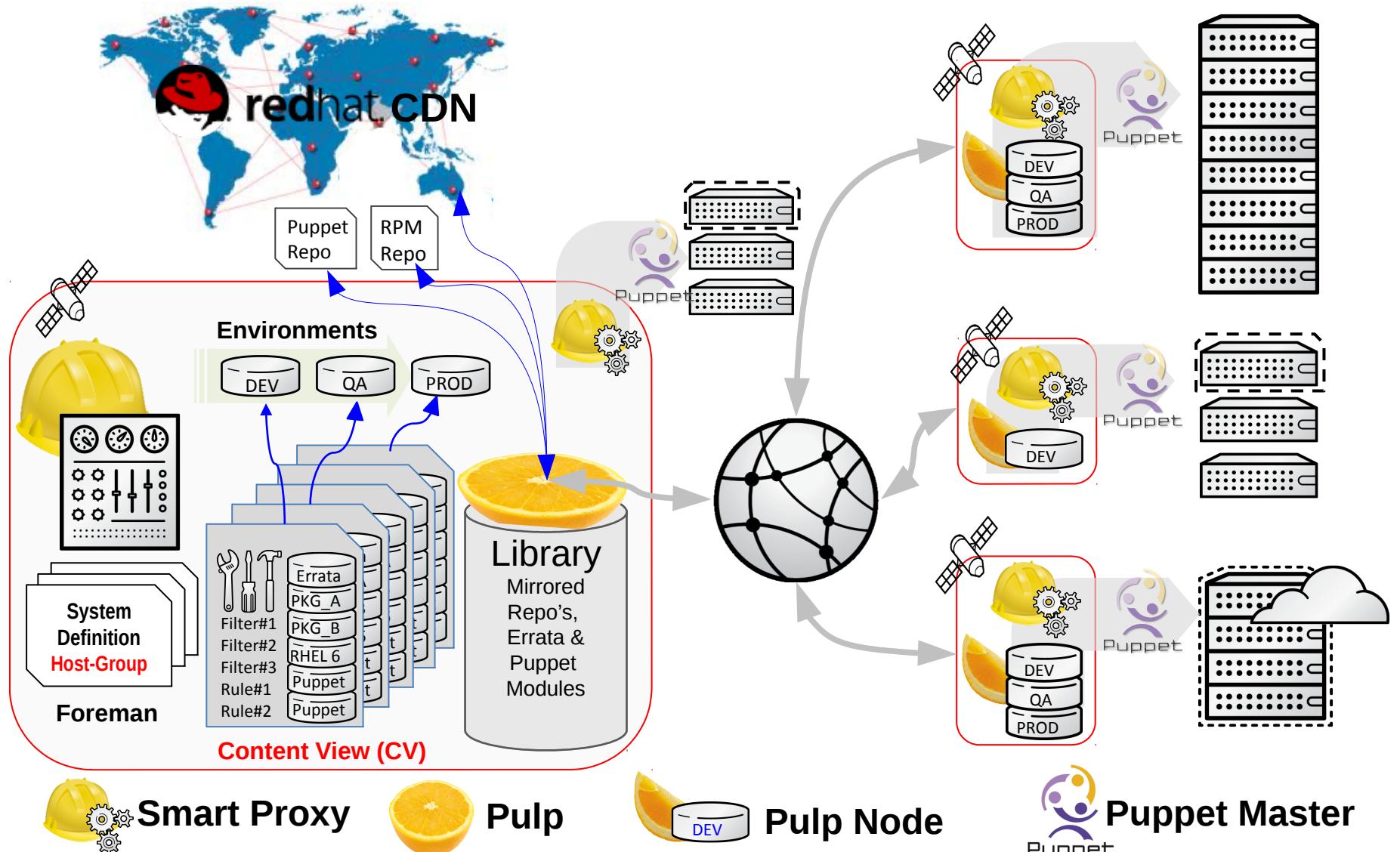


8. System build is automated with KS, PXE & Puppet configuration



9. Systems register back for updates

Red Hat Satellite 6 Federation



DEMO

Summary

Learn More: Red Hat Satellite 6 Managed Design Program

- red.ht/mdp to fill out participation request form

Red Hat Satellite @ Summit:

Today:

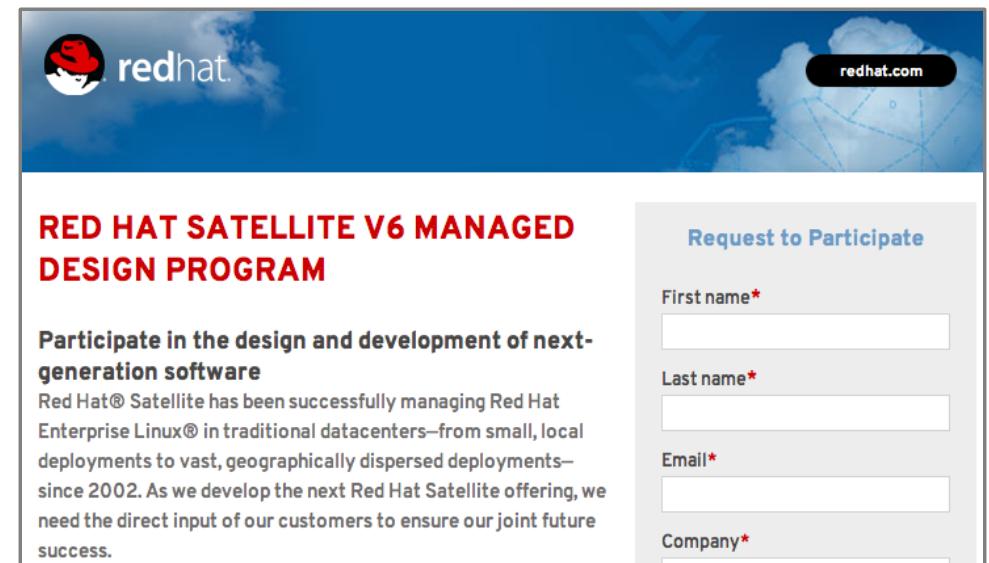
- 3:40-4:40pm, Red Hat Satellite Power User Tips & Tricks
- 4:50-5:50pm, Red Hat Satellite Expert Panel (*F&B provided*)
- 5:30-7:30pm, Reception in Partner Pavilion

Thursday:

- 11:00-2:00pm, Partner Pavilion
- 2:30-3:30pm, Red Hat Subscription Tools: Easier Management & Faster Issue Resolution
- 4:50-5:50pm, Building and Managing a Standard Operating Environment

Friday:

- 9:45-10:45am, Real-world Perspectives: Optimizing Infrastructures (Customer Panel)



The image shows a screenshot of a web page for the Red Hat Satellite 6 Managed Design Program. At the top, the Red Hat logo is visible. The main title is "RED HAT SATELLITE V6 MANAGED DESIGN PROGRAM". Below the title, there is a section about participating in the design and development of next-generation software. It mentions that Red Hat Satellite has been managing Red Hat Enterprise Linux in traditional datacenters and has been developed since 2002. The page also features a "Request to Participate" form with fields for First name*, Last name*, Email*, and Company*.

RED HAT SATELLITE V6 MANAGED DESIGN PROGRAM

Participate in the design and development of next-generation software

Red Hat® Satellite has been successfully managing Red Hat Enterprise Linux® in traditional datacenters—from small, local deployments to vast, geographically dispersed deployments—since 2002. As we develop the next Red Hat Satellite offering, we need the direct input of our customers to ensure our joint future success.

Request to Participate

First name*

Last name*

Email*

Company*

Finding Red Hat Satellite in the Partner Pavilion:

*Red Hat Satellite 5 → Infrastructure Pillar
Red Hat Satellite 6 → IaaS Pillar*

Questions?