| Course Prography | Activity | Action | Initiator | Initiator Detail | Endpoint | Endpoint Detail | Port Protocol | SELinux Type | Notes |
|--|---|--|--------------------|------------------|-------------------|---|---------------|----------------------|---|
| Process Control State Process | | | | | | | | | |
| Control for Service | | 1 1 | | | | | | | |
| Provide register Provide reg | | | | | | | | | |
| Control Cont | | Forward request to Satellite | Capsule | Reverse Proxy | Satellite Server | | | | Katello's Candlepin Proxy |
| Profess Prof | | | | | Satellite Server | | | | |
| Section | | Run Report | Capsule | Puppet Master | Satellite Server | Apache (Foreman) | 443 https | http_port_t | |
| March Control Contro | | Template Retrieval (Capsule -> Satellite) | Capsule | Smart Proxy | Satellite Server | Apache (Foreman) | 443 https | http_port_t | Templates proxy retrieves template over SSL from Foreman |
| Sear Column Debuild | | DNS records | Capsule | nsupdate | DNS server | bind | 53 dns | dns_port_t | The capsule is usually on the same server as Bind (i.e localhost, no firewall changes) |
| Transfer Transfer Control Cross From Provided Control Cont | | DHCP records | Capsule | omapi | DHCP server | ISC dhcp | | dhcpd_port_t | The capsule is usually on the same server as ISC (i.e localhost, no firewall changes) |
| New Months Company C | | Realm records | Capsule | | IdM Server | | | http_port_t | |
| Common C | | | Capsule | | | | | commplex_main_port_t | |
| PFC Content engage referred (Cigaran * - Specific Security Spe | Power Management | BMC On/Off/Cycle/Status | | | | | | | |
| Present Present to Present Present to Septical Service Depart Present Service Service Present Present Service Present Present Present Service Present Present Service Present Present Present Service Present Pr | | | | | | | | | |
| Sent morn Sent or morn Sent S | | | | | | | | | |
| Master Control State State February State Steve Apach Packed Adult State Steve Apach A | goferd message bus | | | · · | | <u> </u> | | | |
| Tellimorp Cost Laplaced Served Cast De Red Van Part Cost | | | | | | | | | |
| Section Control Cont | | | | | | | | | |
| Content in Agricultural Content | | | | | | | | | |
| Page | • • | | | | | ' | | | g, |
| Purpose Name | Content Host Registration | • | | 7. | | 1 | | | Downloads the katello-ca-latest RPM for configuring RHSM + installation of CA certs |
| PRE-Bott | | | | | | , | | | |
| PRE | 111111111111111111111111111111111111111 | | | | | - 111 | | | |
| Template Perilateral Circle C- Cigastes Circle C Amonda Number Circ | PXE Boot | | | | | | | | UDP Broadcast, 67 source & destination Capsule side (Client sends & receives on 68) |
| Production | | | | | | + | | | Client connects to average and UTTD 0000 to describe discontinuous described |
| Procession Van Procession Cent Van Congole Apache Ap | | | | | | | | | client connects to proxy port HTTP 8000 to download templates for provisioning. |
| Southist South | Destruction leaders | | | | | | | | |
| PRE chained template emended (Client) Captable (Client PASE Hermann Captable Client PASE Hermann Captable Client PASE Hermann Client PASE Hermann PASE Except Captable PASE And Delings Pase | | | | | - | - | | | Only houses for Full heat heatdisk during reporting (ICO file desirated) |
| Installation/Removal/update Installation/Rem | Bootdisk | | | | | | | | 7 11 |
| Telementry Data Upback Sond data for Ref Har Printed Client Telementry data placedar Capsale Reviewer Proxy 4-50 limpts Rep. pr. 1 Reviewer proxy Reviewer | | | | | | / | | | · · |
| OpenSCAP Configure client Capulare | Tolomotor Data Unload | | | | | | | | |
| Sent apport to Capsake Sent apport form Capsake to Sadelite View SCAP report in HTML / JAML format Sadelite Server (A PRA) Installation Control HCMI Registration Contr | | | | | <u> </u> | | | | |
| Serie report from Capsale to Satellite Vero SCAP report in HTML // 2011. When the Satellite Server Forman APF Vero SCAP report in HTML // 2011. When the Satellite Server Forman APF Vero SCAP report in HTML // 2011. When the Satellite Server Forman in Satellite Server Forman (Server) Installation/Removally/Updan Clerit Virum Satellite Server Apache 80 mg ph mg | - Coperiodal | | | | | | | | |
| Verw SCAP report in FTML / XML formal Satelle Server Agache Satelle Server Satelle Ser | | | | | | | | | |
| Content Registration Collent Spatial Registration Collent C | | | | | | | | | |
| Installation/Removal/Lipidate Installation/Removal/Lipidate Invisioning Installation/Removal/Lipidate Invisioning Installation/Removal/Lipidate Invisioning Installation/Removal/Lipidate Invisioning Invisi | Content Host Registration | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| Provisioning Template retrieval Client Anaconda Satellite Server Apache (Formany) 80 http Dr. pt. pt. pt. pt. pt. pt. pt. pt. pt. pt | 9 | | | <u> </u> | | + ' | | | |
| Bootds . PXE channel demplate retrieval . Client PXE minuse . Saelille Server Apache (Pulp) . Aspache (Pulp) . Aspache (Pulp) . Aspache (Pulp) . Apache (Pulp) | Provisioning | · | | | | 1 | | | Direct Host connects Satellite HTTP 80 to download templates for provisioning. |
| Package Installation Yum Execution Cleint Vum Salellile Serier Apache (Pulp) 437 80 https://htmp Mp_Lort_I Discovery node reports in Satellile 6 and sends facts Discovery node (Society Pulp) Society Society Discovery node reports in Satellile 6 and sends facts Discovery node reports Discove | Bootdisk | iPXE chained template retrieval | Client | iPXF firmware | | Apache (Foreman) | | | |
| Discovery may provisioning Discovery and provisioning Observed may be discovery manage of Discovery management of Discover | | The state of the s | Client | | | | | | g |
| Actively Action initiation initiation initiation initiation initiation initiation initiation (asalellia Server Apacher (Forenan) (Apacher (Forenan | Discovery | Host discovery and provisioning | Discovered nod | Discovery Image | | | | | Discovery node reports in Satellite 6 and sends facts |
| Content Promotion Initiation Statellite Server Apache (Referenary) Content Promotion Initiation Statellite Server Apache (Refeate) Satellite Server Apache (Retale) Satellite Server Apache (Pulp) 4.45 Intro- Remote Yun Repository Statellite Server Apache (Retale) Satellite Server Apache (Pulp) 4.45 Intro- Remote Yun Repository Statellite Server Apache (Pulp) Red Hat CDN Remote Install Command to client Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Red Hat CDN Remote Install Initiation Red Hat Portal Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Red Hat Portal Repose to dispatch router on Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Red Hat Portal Resources Fog interactions (query/create/destroy/etc) Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Resource Apache (Pulp) Red Hat Portal Statellite Server Apache (Pulp) Statellite Server Apache (Pulp) Resource Apache (Pulp) Resource Apache (Pulp) Red Hat Portal Statellite Server Apache (Pulp) Resource Apache (Pulp) Resource Apache (Pulp) Resource Apache (Pulp) Resource Ap | Docker Content Download | Docker Content Download | Client | , , | Capsule | Pulp | 5000 https | commplex main port t | , , |
| Content Promotion Initiation Satellite Server Apache (Ketalel) Satellite Server Apache (Fulp) 4.5 lttps: http.port_1 AP call tells Pulp to do necessary things for promotion Decessary things for promotion Pr | Activity | Action | Initiator Initiato | Initiator Detail | Endpoint | Endpoint Detail | Port Protocol | SELinux type | Notes |
| Content Sync Initiation Satellite Server Apache (Katello) Satellite Server Apache (Pulp) Remote Repository Satellite Server Apache (Pulp) Remote Repository Repository Remote Yum Repository Satellite Server Apache (Pulp) Remote Repository Remote Repository Remote Resources Fog interactions (query/create/destroyletc) Satellite Server Apache (Pulp) Remote Resources Fog interactions (query/create/destroyletc) Satellite Server Apache (Pulp) Satellite Server Apache (Pulp) Remote Resources Fog interactions (query/create/destroyletc) Satellite Server Apache (Pulp) Satellite Server Apache (P | | Capsule Feature Retrieval | Satellite Server | Apache (Foreman) | | | | | |
| Remote Yum Repository Red Hat CDN Satellite Server Apache (Pulp) Remote Repository Son Into Topically HTTP, but could be other protocols Apache (Pulp) Red Hat CDN Satellite Server Apache (Pulp) Red Hat CDN Apache (Pulp) Apache (Pulp) Remote Repository Apache (Pulp) Apache | Content Promotion | Initiation | Satellite Server | Apache (Katello) | Satellite Server | Apache (Pulp) | 443 https | http_port_t | API call tells Pulp to do necessary things for promotion |
| Red Hat CDN Satellite Server Apache (Pulp) Red Hat CDN 443 https http_port_t Happens after sync and promote Provisioning Smart Proxy API Req. to configure TFTP, DHCP, etc. Satellite Server Apache (Pulp) Capsule Smart Proxy 900 https websm_port_t Orchestration, configure Smart Proxy for provisioning, Requesting IP, TFTP PXE configure Smart Proxy 900 https websm_port_t Satellite Server Apache (Pulp) Ada Apache (Pulp) | Content Sync | Initiation | Satellite Server | Apache (Katello) | Satellite Server | | 443 https | http_port_t | API call tells Pulp to do necessary things for promotion |
| Content Mirroring Initiation Satellite Server Apache (Pulp) Capsule Apache (Pulp) Asache (Pulp) Asac | | Remote Yum Repository | Satellite Server | Apache (Pulp) | Remote Repository | | 80 http | http_port_t | Typically HTTP, but could be other protocols |
| Search Smart Proxy API Req. to configure TFTP, DHCP, etc. | | Red Hat CDN | Satellite Server | Apache (Pulp) | Red Hat | CDN | 443 https | http_port_t | |
| Remote Install Initiation Satellite Server Apache (Katello) Satellite Server Apache (Pulp) 443 https http_ort_t API call tells Pulp to begin consumer action Statellite Server Apache (Pulp) 542 https://doi.org/10.1000/port_t API call tells Pulp to begin consumer action Statellite Server Apache (Pulp) 542 https://doi.org/10.1000/port_t API call tells Pulp to begin consumer action Statellite Server Apache (Pulp) 542 https://doi.org/10.1000/port_t API call tells Pulp to begin consumer action Statellite Server Apache (Pulp) 542 https://doi.org/10.1000/port_t API call tells Pulp to begin consumer action Statellite Server Apache (Pulp) 547 lamqp amqp_port_t Dispatch router is connected to Qpid on localhost Telemetry Data Upload & Report Send and read data to/from Red Hat Portal Statellite Server Apache (Katello) Satellite Server Apache (Pulp) 543 https://doi.org/10.1000/port_t Install Command to client Statellite Server Apache (Katello) Satellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to client Statellite Server Apache (Pulp) Satellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to client Statellite Server Apache (Pulp) Satellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) Satellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Install Command to Client Statellite Server Apache (Pulp) 443 https://doi.org/10.1000/port_t Apache (Pulp) 443 https://doi.org/10.1000/port_t Apache (Pulp) 443 https://doi.org/10.1000/port_t Apache (| Content Mirroring | Initiation | Satellite Server | Apache (Pulp) | Capsule | Apache (Pulp) | 443 https | http_port_t | Happens after sync and promote |
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| Send install command to client Forward message to dispatch router on Satellite Server Qpid Satellite Server Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch router is connected to Qpid on localhost Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch router is connected to Qpid on localhost Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch Router is connected to Qpid on localhost Dispatch Router (Fulp) 5671 amqp amqp_port_t Dispatch Router is connected to Qpid on localhost Dispatch Router is connected to Qpid on localhost Dispatch Router (Hub) 5671 amqp amqp_port_t Dispatch Router is connected to Qpid on localhost Dispatch Router is connected to Qpid on localho | | | | | | | | | |
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| Send install command to client Satellite Server Apache (Pulp) Satellite Server A | | | | | | | 8443 https | | Isolated Host sends data for analysis and also retrieves analytics reports |
| Forward message to dispatch router on Satellite Server Opid Opid Satellite Server Opid Opi | Remote Install | | | | | | | | |
| Compute Resources Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource EC2 443 https http_port_t Compute Resources Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource EC2 443 https http_port_t Compute Resources Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource oVirt 443 https http_port_t Compute Resource Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource Libivit 22 / 16514 / ssh / tls ssh_port_t, virt_port_t Elither is common Telemetry Data Upload & Report Send and read data to/from Red Hat Portal Satellite Server Form Compute Resource Libivit 22 / 16514 / ssh / tls ssh_port_t, virt_port_t Telemetry Data Upload & Report Validation of DNS conflicts Satellite Server Foreman DNS server Foreman DNS server Foreman DNS server Server Foreman EX plugin Capsule Capsule Capsule REX plugin Target host Semility Server Foreman-tasks plugin (Capsule Capsule Capsule REX plugin Satellite Server At 20 https.) **Tog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource Vivirt Dort_t Service Server Server Fog Compute Resource Libivit 22 / 16514 / ssh / tls ssh_port_t Virt_port_t Either is common Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports Direct Host sends data for analysis and also retrieves analytics reports Orchestration Server Foreman EX plugin Capsule With REX feature 900 https://doi.org/10.1001 | | | | | | | | | |
| Compute Resources Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource COMPUTE Resource Fog interactions (query/create/destroy/etc) Satellite Server Fog Compute Resource OVIT 443 https://district http.port_t | | | | CI · | | | | | Dispatch router is connected to Qpid on localhost |
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| Telemetry Data Upload & Report Send and read data to/from Red Hat Portal Satellite Server Red Hat Access plugin Cert-api.access.redhat.com Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports Telemetry service Foreman PEX plugin Capsule Capsule Capsule REX plugin Target host Target host Telemetry service 443 https http_port_t Direct Host sends data for analysis and also retrieves analytics reports DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting With REX feature 909 https websm_port_t Foreman -> API call are amany others, same fixed for analysis and also retrieves analytics reports Telemetry service 443 https http_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Telemetry service 443 https http_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Telemetry service 443 https http_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Telemetry service 443 https http_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Telemetry service Telemetry service 443 https http_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Telemetry service | | 11 1 | | • | · · | | | | |
| Orchestration Validation of DNS conflicts Satellite Server Foreman DNS server bind 53 dns dns_port_t DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting Remote execution Run Job on VM (ask Capsule to run it on VM) Satellite Server Foreman REX plugin Capsule With REX feature 9090 Introduce with REX feature 9090 Introduced with REX feature 9090 Introduced Provinged through Capsule Rex plugin Target host 22 Sh Ssh_port_t SH Capsule SH Capsule REX plugin Satellite Server See "query_local_nameservers" setting the REX plugin Target host 22 Sh Ssh_port_t SH Capsule REX plugin Statellite Server SH Capsule REX plugin Satellite Server SH Capsule REX plugin Sh Capsule REX plugin Sh Capsule SH Capsule REX plugin Sh Capsule SH Capsule SH Capsule REX plugin Sh Capsule SH C | | 3 | | | | | | | |
| Remote execution Run Job on VM (ask Capsule to run it on VM) Satellite Server Foreman REX plugin Capsule with REX feature 900 https websm_port_t Foreman -> API call as many others, same flow for load_balancing queries and live update with REX feature 900 https websm_port_t Foreman -> API call as many others, same flow for load_balancing queries and live update same flow for load_balancing queries and | | | | | | | | 1-1 - | |
| Remote execution Run Job on VM proxied through Capsule Capsule Capsule REX plugin Target host 22 ssh ssh_port_t SSH connection uploading job script and executing it (reading the whole output of run) Remote execution result upload Upload output of job to Satellite Capsule Capsule REX plugin Satellite Server 443 https http_port_t API call passing output to foreman-tasks plugin | | | | | | | | | DNS service must be reachable by Satellite Server - see "query_local_nameservers" setting |
| Remote execution result upload Upload output of job to Satellite Capsule Capsule REX plugin Satellite Server 443 https http_port_t API call passing output to foreman-tasks plugin | | | | | <u> </u> | with REX feature | | | |
| | Remote execution | | | | | 1 | | | |
| Remote Execution Run remote execution job Capsule Smart Proxy Capsule Smart proxy dynflow 8008 http_port_t Internal comms, smart proxy to smart proxy dynflow core services (no firewall changes) | Remote execution result upload | | - | | | | | | |
| | Remote Execution | Run remote execution job | Capsule | Smart Proxy | Capsule | Smart proxy dynflow | 8008 https | nttp_port_t | Internal comms, smart proxy to smart proxy dynflow core services (no firewall changes) |