Connect

Red Hat Insights

Bring my data back! Cómo usar Insights on-prem con Red Hat Satellite 6.17

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What is Red Hat Insights and how it can help our business?

Red Hat Insights

How Insights can help your business

Keep systems consistent and up to date.

Identify security and performance risks.

Minimize troubleshooting time.

Monitor and manage costs.

This helps you decrease the complexity of system, security, and cost management across your entire enterprise—to help you **optimize your operations and allow you to focus on business-critical priorities.**

Connected Capabilities of Red Hat Insights include

Advisor
Recommendations for misconfigurations and best practices to improve stability, performance & availability

Vulnerability
Identifies, prioritizes and reports on known security Common Vulnerabilities and Exposures (CVEs)

Cost Management
Provides visibility into usage and cost trends across hybrid cloud environments

Compliance
Monitors compliance with security baselines to report on and meet regulatory requirements at scale

Patch
Tracks applicable Red Hat errata across environments including security, bug fixes and enhancement advisories

Images
Simplifies image customization via the creation of blueprints and deployment across hybrid environments.

Subscriptions
Delivers visibility into Red Hat subscription status, usage trends and utilization across your infrastructure

Malware Detection
Scans for known malware using a curated signature database developed with IBM X-Force

These are just some of the services offered by Insights

Andre Luiz Facina ▾

Hi, Andre Luiz Facina

Welcome to your Hybrid Cloud Console.

Reset to default   ⊕ Add widgets

Red Hat Enterprise Linux ⋮ ⠿

Proactively assess, secure, and stabilize the business-critical services that you scale from your RHEL systems.

Insights for RHEL →

Red Hat OpenShift ⋮ ⠿

Build, run, and scale container-based applications - now with developer tools, CI/CD, and release management.

OpenShift →

Ansible Automation Platform ⋮ ⠿

Create, share, and manage automations - from development and operations, to security and network teams.

Ansible →

🚀 Explore capabilities ⋮ ⠿

Get started with a tour
Take a quick guided tour to understand how the Red Hat Hybrid Cloud Console's capabilities will increase your efficiency.

Red Hat | aws
Try OpenShift on AWS
Quickly build, deploy, and scale applications with Red Hat OpenShift Service on AWS (ROSA), our fully-managed turnkey application platform.

Red Hat Developer
Try our products in the Developer Sandbox
The Developer Sandbox offers no-cost access to Red Hat products and technologies for trial use—no setup or configuration necessary.

Analyze RHEL environments
Analyze platforms and applications from the console to better manage your hybrid cloud environments.

Convert from CentOS to RHEL
CentOS Linux 7 has reached End of Life (EOL). Prep your systems from conversion from CentOS to RHEL.

🕘 Recently visited ⋮ ⠿

Hybrid Cloud Console Home | Home
Home

Red Hat Enterprise Linux - Subscriptions | Subscription Services
Subscription Services

ceph-uni04delta-ipv6-2 | Systems | Red Hat Insights
RHEL

Systems - Inventory | RHEL
RHEL

API Documentation | Documentation
Documentation

Red Hat Ansible - Subscriptions | Subscription Services
Subscription Services

⭐ My favorite services ⋮ ⠿
View all services

Red Hat Insights
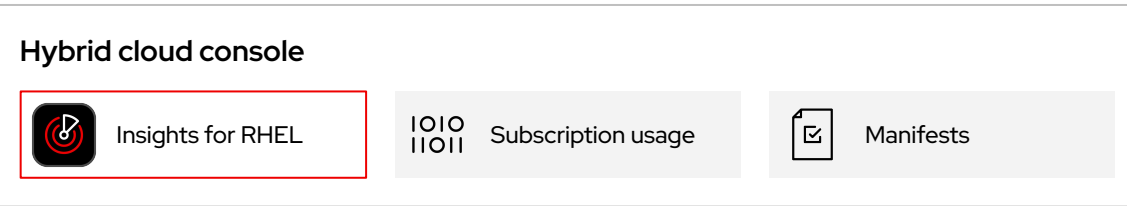# in the Hybrid Cloud Console

Connectivity Options

Connectivity options

Component	Connectivity	Where is data analyzed?	Data transfer to Red Hat required?	Data path
Insights client *Direct*	HTTPS (port 443)	console.redhat.com	Yes	Direct from host to console.redhat.com

Architecture – Directly connected setup

Internet

Hybrid cloud console

Insights for RHEL | Subscription usage | Manifests

RHEL host

RHEL host

RHEL host

Customer Network

Connectivity options

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Insight client *Satellite connected*	HTTPS (port 443)	console.redhat.com	Yes	Data is proxied from host through Red Hat Satellite

Architecture – Satellite connected setup

Internet

Hybrid cloud console

Insights for RHEL

Subscription usage

Manifests

Satellite plugin and discovery

Insights client

Red Hat Satellite

RHEL host

RHEL host

RHEL host

Capsule 1

Capsule 2

RHEL host

RHEL host

RHEL host

Customer Network

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Insight client *Satellite connected*	HTTPS (port 443)	console.redhat.com	Yes	Data is proxied from host through Red Hat Satellite
Insights proxy	HTTPS (port 443)	console.redhat.com	Yes	Data is proxied through Insights proxy

Architecture – Proxy setup

Hybrid cloud console

Insights for RHEL

Subscription usage

Manifests
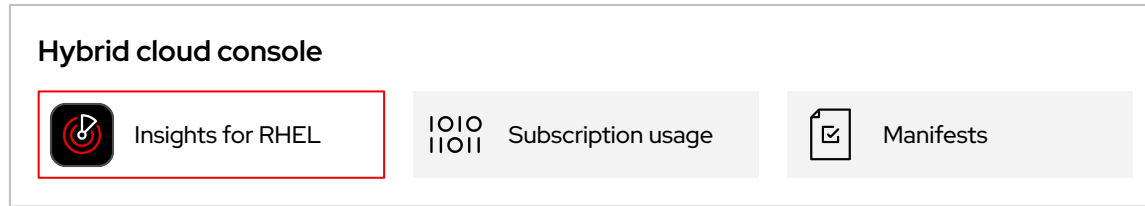
Web proxy /
Insights proxy

RHEL host

RHEL host

RHEL host

Customer Network

Architecture – Fully connected setup

Internet

Hybrid cloud console

 Insights for RHEL

 Subscription usage

 Manifests

Satellite plugin and discovery

Insights client

 Red Hat Satellite

Web proxy / Insights proxy

RHEL host

RHEL host

RHEL host

RHEL host

RHEL host

RHEL host

Capsule 1

Capsule 2

RHEL host

RHEL host

RHEL host

RHEL host

RHEL host

RHEL host
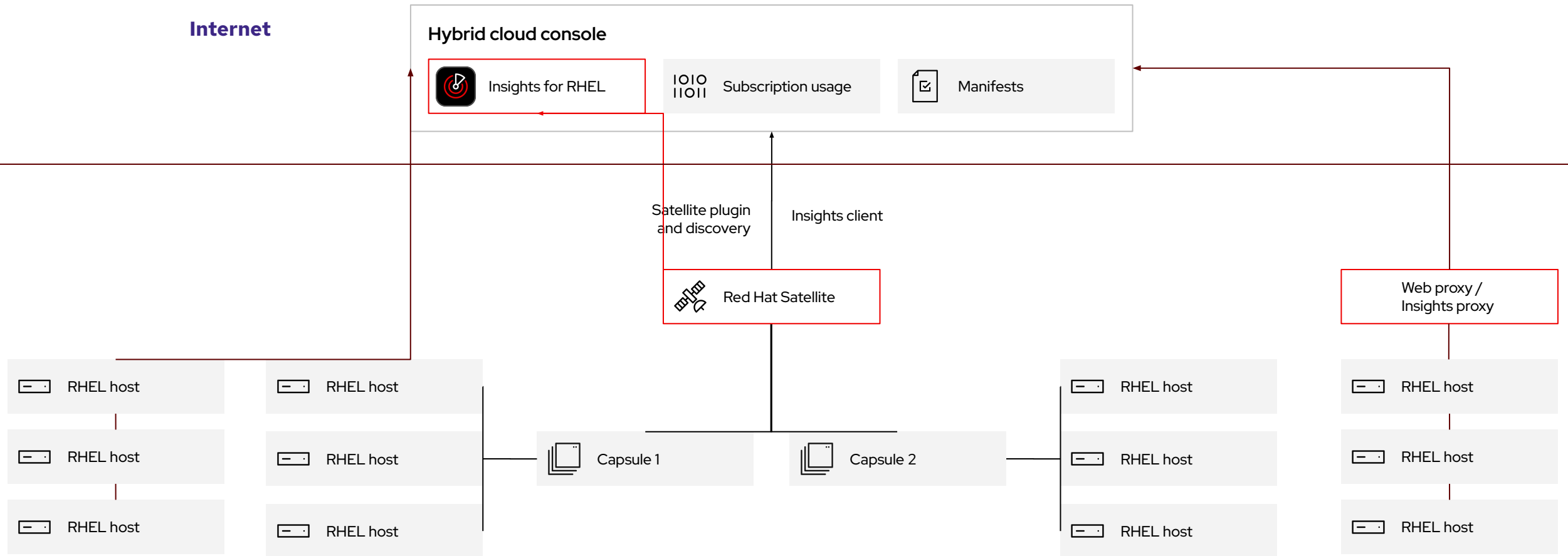
Customer Network

Four things to know about data collection with Red Hat Insights

1

Red Hat Insights is designed to work with minimal data.

Red Hat Insights collects only the minimum system metadata that is needed to analyze and identify issues.

2

You control what data is sent to Red Hat.

You have the option to inspect and redact any information.

3

Data is encrypted throughout the process.

Red Hat signs its data collection rules and will abort if the signature cannot be verified.

4

Only one uploaded data set is stored at a time.

For each host or instance, one uploaded data set is stored on the services infrastructure.

Learn more about Red Hat Insights data and application security at console.redhat.com/security/insights.
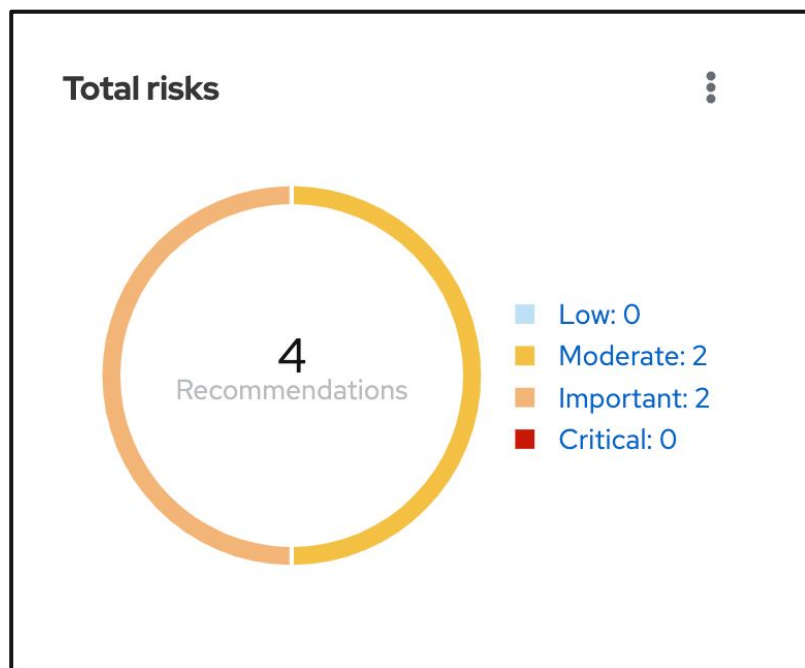
Using Insights in
on-premise environments

What is it?

Insights on-prem, formerly known as IoP is a tech preview on Satellite 6.17 (major changes in 6.18 and General Availability).

Insights advisor in Satellite enables advisor recommendations to be processed locally, and delivered to your existing Satellite user interface, all without requiring internet connectivity.

How is this different from other methods?

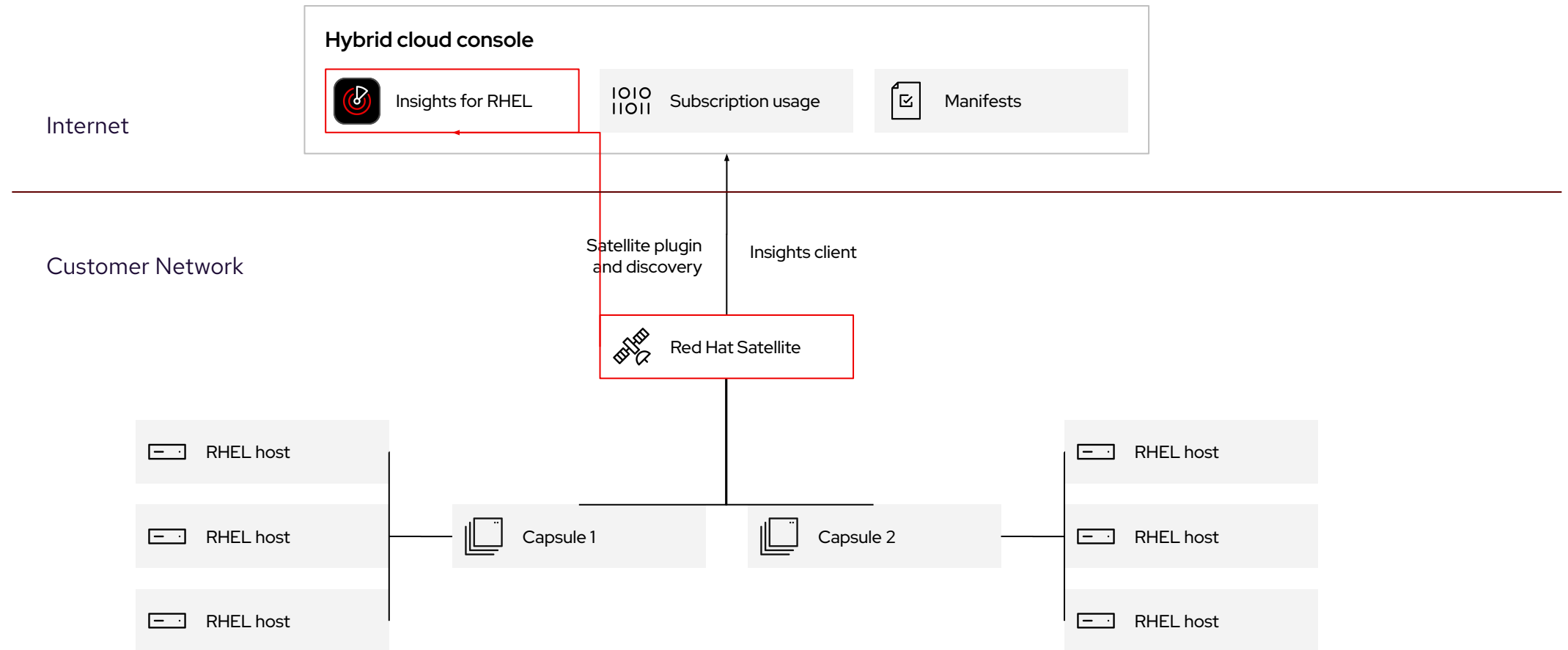| Component	Connectivity	Where is data analyzed?	Data transfer to Red Hat required?	Data path
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Insight client *Satellite connected*	HTTPS (port 443)	console.redhat.com	Yes	Data is proxied from host through Red Hat Satellite
Insights proxy	HTTPS (port 443)	console.redhat.com	Yes	Data is proxied through Insights proxy
Insights advisor in Satellite	Not required	Customer provided Satellite server	No	Data is not transferred

Architecture – Satellite connected setup

Hybrid cloud console

Insights for RHEL

Subscription usage

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Internet

Customer Network

Satellite plugin and discovery

Insights client

Red Hat Satellite

RHEL host

RHEL host

RHEL host

Capsule 1

Capsule 2

RHEL host

RHEL host

RHEL host

Architecture – Insights advisor in Satellite

Hybrid cloud console

Insights for RHEL

Subscription usage

Manifests

Internet

Customer Network

Red Hat Satellite

Insights advisor

Insights client

RHEL host

RHEL host

RHEL host

Capsule 1

Capsule 2

RHEL host

RHEL host

RHEL host
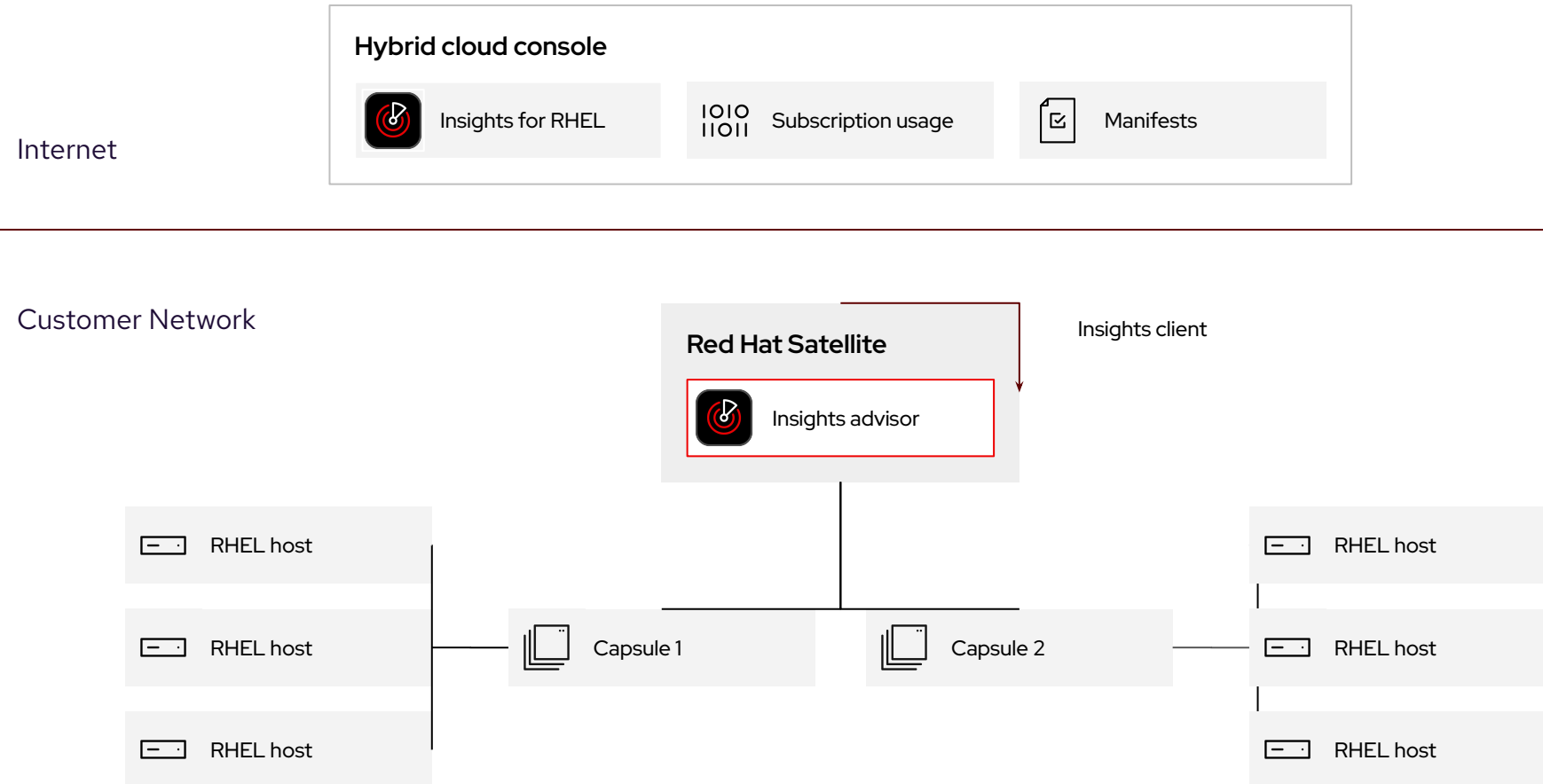
Advertisements

➔ **Insights on-prem (IoP)** new recommendations are delivered with Satellite updates, the container image must be updated!

➔ The Insights Advisor is a container, when you enable it, a container will be downloaded from Red Hat registry.

➔ Suggestion: use podman login to our registry, and next podman pull before running the satellite-installer. You will have a container started as a systemd service.

➔ Remember:
podman login
podman pull registry.redhat.io/satellite/iop-advisor-engine-rhel9:6.17

Requirements

Installation of Satellite 6.17
Runs exclusively on Satellite 6.17 with no additional hardware requirements:

```
# satellite-installer
--foreman-plugin-rh-cloud-enable-iop-advisor-engine true
```

Check it with:
```
# systemctl status iop-advisor-engine.service
```

## No host connections to the Hybrid Cloud Console

Advisor

Red Hat Recommendations based on 30+ years of supporting RHEL in areas of availability, performance, stability, and security.
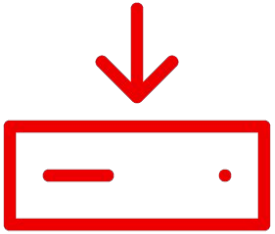
From the moment IoP is enabled the Inventory Upload disappear!
No data is sent to Red Hat!

Only the Advisor capability is available in IoP. Focus on predictive and proactive recommendations.
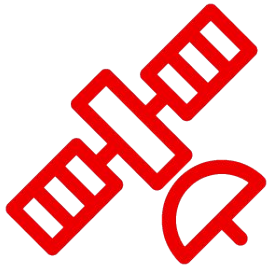
You can test if any registered client is sending data to Red Hat cloud.
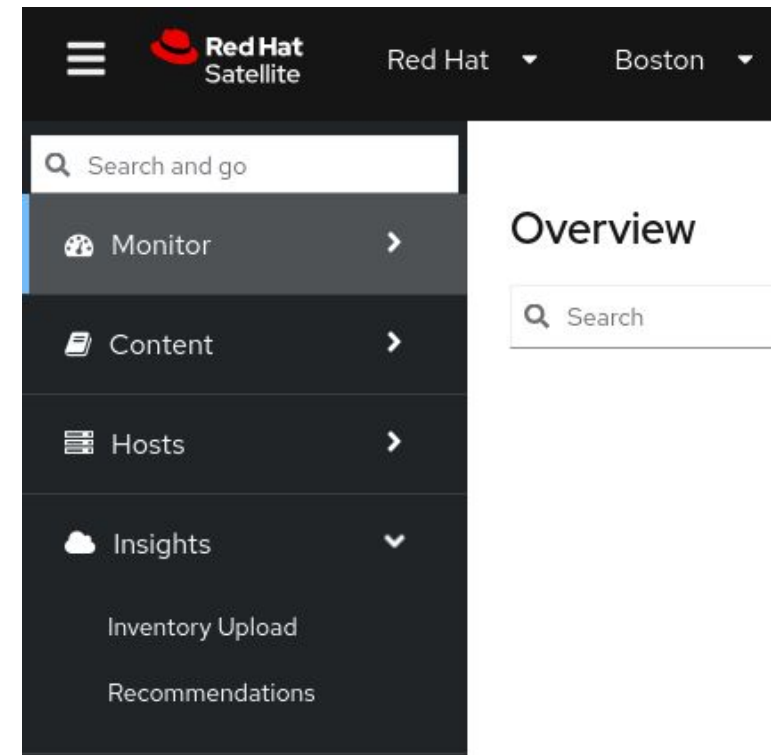
How are updates provided?

The Insights advisor in Satellite container image will be updated approximately monthly with new recommendations.

Is Insights advisor in Satellite included as part of my subscription?

Insights advisor in Satellite will require an active subscription for Red Hat Satellite.
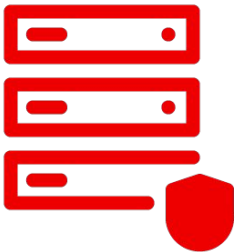
Does Insights advisor in Satellite send any data to the cloud?

No – All processing is done locally within your own deployed Satellite environment.

Red Hat Summit

Connect

Thank you

in linkedin.com/company/red-hat

f facebook.com/redhatinc

▶ youtube.com/user/RedHatVideos

🐦 twitter.com/RedHat