

Monitoring & Alerts

The CMS provides monitoring hooks and reporting functions to ensure service continuity and compliance with billing accuracy.

Core Monitoring Areas

- **Usage Processing:** Track success/failure of usage collection jobs per region.
- **Billing Runs:** Monitor invoice generation status and ensure records reconcile.
- **Commission Runs:** Verify commission calculation jobs complete without errors.
- **Authentication:** Monitor login failures and token validation errors.
- **System Health:** CPU, memory, and storage usage for container hosts.

Alerts

- **Threshold Alerts:** Notify when consumption approaches plan quotas.
- **Job Failures:** Notify when usage, billing, or commission jobs fail.
- **Connectivity Issues:** Alerts for failed API calls to Azure Stack Hub regions.
- **License Expiry:** Warning when TLS or license certificates near expiration.

Integrations

- Alerts can be forwarded to external systems such as Splunk, Rapid7, or Azure Monitor.
- APIs expose health endpoints for custom monitoring integrations.

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