

Overview

The Subscription Editor is a built-in web UI for managing metric subscriptions, maintenance windows, anomaly review, reports, and AI-powered discovery. It is available on all tiers at:

<https://<editor-domain>/editor>

The editor is protected by Cognito authentication. On advanced+ tiers, RBAC is enforced via Cognito groups (**admin** = full access, **viewer** = read-only).

Note: A landing page has been provided with links to the [editor](#) and [OpenSearch](#) (<https://<editor-domain>/>).

Layout

- **Left panel:** Subscription list with status badges, trend indicators, and keyboard navigation (↑↓)
- **Right panel:** Edit form, anomaly viewer, maintenance windows, reports, or discovery wizard
- **Header:** Tier info, timezone selector, navigation buttons (Reload, Anomalies, Maintenance, Reports, ⚡ Discover, Versions, Logout)

Creating a Subscription

1. Click + in the left panel header
2. Fill in the required fields (Description, Namespace, Metric Name)
3. Configure dimensions, stat, period, threshold, and direction
4. Click **Save**

On save, the editor validates the configuration server-side and syncs the CloudWatch Metric Stream to include the new namespace.

Subscription Fields

Field	Description	Default
Description	Human-readable name (required, must be unique)	—
Namespace	CloudWatch namespace (e.g. AWS/Lambda, AWS/EC2)	—
Metric Name	The metric within the namespace. Clear and Preview to see all available.	—

Account ID	Blank = local only. * = all accounts. Or select specific accounts.	local
Enabled	Whether actively collecting and alerting	Yes
Stat	Aggregation: Average, Sum, Maximum, Minimum, SampleCount, p99/p95/p90	Average
Dimensions	JSON object. {} = all resources. Use ".*" for wildcard per-resource monitoring. Select from dropdown or type custom.	{}
Period	Aggregation period: 60s, 5m, 15m, 1h	60s
Threshold	Z-score sensitivity (1.0–10.0). Lower = more sensitive. 3.0 catches top 0.3% outliers.	3.0
Baseline (days)	Training period override. 0 = use tier default.	0
Direction	High = only spikes. Low = only drops. Both = either.	Both
Corr. Window	Minutes before/after anomaly to search Log Processor for errors	5
Retention	Days to keep anomaly records. 0 = tier default. (advanced+)	0
Email	Send email alerts. "No (silent)" records anomalies without emailing.	Yes
Email threshold	Only email when score exceeds this. 0 = use anomaly threshold.	0
Runbook URL	Optional URL included in alert emails for quick incident response.	—

Those on advanced or above tiers will see  **Tune button**, upon clicking AI will suggest some recommendations to tune the subscription.

Dimensions & Wildcards

Dimensions control which specific resources are monitored:

- `{}` — Monitor the aggregate (all resources combined into one datapoint)
- `{"FunctionName": "my-func"}` — Monitor a specific resource
- `{"FunctionName": ".*"}` — Monitor each resource independently (wildcard). Each matching resource gets its own baseline.

Click the ✨ icon next to the dimensions field to wildcard all dimension keys.

Preview

The **Preview** button fetches recent metric data to verify the subscription is configured correctly:

Action	Behavior
Click	Query local CloudWatch for last 1 hour
Shift+Click	Query local CloudWatch for last 24 hours
Ctrl+Click	Query OpenSearch for last 1 hour (cross-account data)
Ctrl+Shift+Click	Query OpenSearch for last 24 hours

When multiple dimension combinations exist, Preview shows a table with the latest value for each. The OpenSearch query includes an **Account** column showing which account the data came from.

Baseline Display

Click **Baseline** to view the learned behavior pattern. Shows a 7-column grid (Mon–Sun) with sparkline charts, mean±stddev bands, and training percentage. Hidden until training exceeds 50%.

Anomalies Panel

Click **Anomalies** in the header to view recent detections:

- Paginated list with score, description, timestamp

- Detail panel: full metadata, dimensions, CloudWatch console deep link, Metrics Insights query
- AI Explanation (advanced+): natural language analysis of why the anomaly occurred
- Trend indicator: worsening/improving/stable/new
- Dismiss individual or all anomalies

Maintenance Windows

Click **Maintenance** to suppress alerts during known events:


- **Scheduled:** Recurring on specific days/time (UTC) with duration
- **Ad-hoc:** Starts immediately for a set duration
- Select which subscriptions are affected (default: all)
- Active windows show a green **ACTIVE** badge



Reports

Click **Reports** to manage anomaly summary reports (advanced+):

- **Generate:** Create an on-demand HTML report with cost analysis
- **Schedule:** Auto-email on selected days with configurable lookback window (1–30 days)
- Download or preview past reports inline

Discovery Wizard

Click  to open the Discovery panel:

- **Active metrics:** Shows all CloudWatch metrics currently emitting data in your account (refreshed every 6h)
- **Catalog metrics:** Toggle "Show all AWS metrics" to see the full catalog (479 metrics across 57 namespaces)
- **Quick-start chips:** One-click templates for common monitoring patterns (Lambda errors, ALB 5xx, RDS CPU, etc.)
- **AI Suggest (advanced+):** Describe what you want to monitor in natural language. Press Enter or click  Suggest. Bedrock returns a complete subscription configuration.
- **Subscribe button:** Pre-fills the subscription form from the selected metric
- **Refresh **: Triggers a synchronous discovery scan (~30s)

Version History

Click **Versions** to view the S3 version history of your configuration:

- View timestamps, sizes, and current version indicator
- **Diff:** Compare any version against current (additions in green, removals in red)
- **Restore:** One-click rollback to any previous version (admin only)
- **Download:** Export any version as JSON

Keyboard Shortcuts

Key	Context	Action
↑ ↓	Subscription list	Navigate subscriptions
↑ ↓	Anomaly list	Navigate anomalies (auto-pages)
↑ ↓	Maintenance list	Navigate windows
Double-click	Subscription list	Toggle enabled/disabled
Enter	AI prompt	Submit suggestion request

SNS Message Attributes

All anomaly alerts include SNS message attributes for filter-based routing:

Attribute	Type	Description
<code>score</code>	Number	Anomaly score (0–10)
<code>severity</code>	String	low / medium / high / critical
<code>namespace</code>	String	CloudWatch namespace

<code>metricName</code>	String	Metric name
<code>subscriptionId</code>	String	Subscription identifier
<code>description</code>	String	Subscription description
<code>accountId</code>	String	Source account ID

Use these to create SNS subscription filter policies for routing specific alerts to Slack, PagerDuty, Lambda, or other targets.

Tips

- Start with a high threshold (4.0–5.0) and lower it as the baseline matures
- Use **direction: high** for error metrics, **direction: low** for availability metrics
- Wildcard dimensions ("`.*`") create independent baselines per resource — powerful but increases detection cycles
- Use maintenance windows during deployments to avoid false positives
- The **Email threshold** field lets you record all anomalies but only email on high-severity ones
- Clone subscriptions to quickly set up similar monitoring with different thresholds or dimensions