

# Azure Application Insights Integration

The **Application Insights Integration** allows users to collect metrics from Azure Application Insights.

## Key Configuration Options:

- **Application ID:** The ID of the application from the API Access settings in the Azure portal.
- **API Key:** A generated key for authentication.

## Data Stream: `app_insights`

Users can retrieve various metrics with filtering options.

## Configuration Options:

- **Metrics:** List of metrics to collect.
- **ID:** Metric IDs or names. Default includes requests, performance, and availability.
- **Interval:** ISO8601 duration for metric retrieval. Defaults to entire timespan if omitted.
- **Aggregation:** Functions like sum, average, etc. Defaults to metric-specific aggregation.
- **Segment:** Dimension to group metric data by.
- **Top:** Number of segments to return (valid only with `segment`).
- **Order By:** Sorting order for segments (valid only with `segment`).
- **Filter:** OData filter expression for refining results.

An example event for `app_insights` looks as following:

```
{
  "@timestamp": "2021-08-23T14:37:42.268Z",
  "agent": {
    "ephemeral_id": "4162d5df-ab00-4c1b-b4f3-7db2e3b599d4",
    "hostname": "docker-fleet-agent",
    "id": "d979a8cf-ddeb-458f-9019-389414e0ab47",
    "name": "docker-fleet-agent",
    "type": "metricbeat",
    "version": "7.15.0"
  },
}
```

```
"azure": {
  "app_insights": {
    "end_date": "2021-08-23T14:37:42.268Z",
    "start_date": "2021-08-23T14:32:42.268Z"
  },
  "application_id": "42cb59a9-d5be-400b-a5c4-69b0a0026ac6",
  "dimensions": {
    "request_name": "GET Home/Index",
    "request_url_host": "demoappobs.azurewebsites.net"
  },
  "metrics": {
    "requests_count": {
      "sum": 4
    }
  }
},
"cloud": {
  "provider": "azure"
},
"data_stream": {
  "dataset": "azure.app_insights",
  "namespace": "default",
  "type": "metrics"
},
"ecs": {
  "version": "8.11.0"
},
"elastic_agent": {
  "id": "d979a8cf-ddeb-458f-9019-389414e0ab47",
  "snapshot": true,
  "version": "7.15.0"
},
"event": {
  "agent_id_status": "verified",
  "dataset": "azure.app_insights",
  "duration": 503187300,
  "ingested": "2021-08-23T14:37:41Z",
  "module": "azure"
},
"host": {
```

```
"architecture": "x86_64",
"containerized": true,
"hostname": "docker-fleet-agent",
"id": "1642d255f9a32fc6926cddf21bb0d5d3",
"ip": [
  "192.168.96.7"
],
"mac": [
  "02-42-AC-1F-00-07"
],
"name": "docker-fleet-agent",
"os": {
  "codename": "Core",
  "family": "redhat",
  "kernel": "4.19.128-microsoft-standard",
  "name": "CentOS Linux",
  "platform": "centos",
  "type": "linux",
  "version": "7 (Core)"
}
},
"metricset": {
  "name": "app_insights",
  "period": 300000
},
"service": {
  "type": "azure"
}
}
```

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Revision #1

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