# Create LAW & Sentinel

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| --- |
| //  PARAM ---------------------------------------------------------------------------  param logAnalyticsWorkspaceName string  param location string = resourceGroup().location  param RetentionsInDays int = 30  param sku\_name string = 'PerGB2018'  // Log Analytics Workspace -----------------------------------------------------------  resource LAW\_Sentinel 'Microsoft.OperationalInsights/workspaces@2023-09-01' = {    name: logAnalyticsWorkspaceName    location: location    properties: {      sku: {        name: sku\_name // pricingTier      }      retentionInDays: RetentionsInDays    }  }  // Sentinel ---------------------------------------------------------------------------  resource Sentinel 'Microsoft.OperationsManagement/solutions@2015-11-01-preview' = {    name: 'SecurityInsights(${logAnalyticsWorkspaceName})'    location: location    properties: {      workspaceResourceId: LAW\_Sentinel.id    }    plan: {      name: 'SecurityInsights(${logAnalyticsWorkspaceName})'      product: 'OMSGallery/SecurityInsights'      publisher: 'Microsoft'      promotionCode: ''    }  } |

* Official reference - [Azure Sentinel - Official Github Repo](https://github.com/Azure/azure-quickstart-templates/blob/master/quickstarts/microsoft.operationsmanagement/azure-sentinel/main.bicep)
* Name & plan.name must be - 'SecurityInsights(${logAnalyticsWorkspaceName})'
* Read more - [Microsoft.OperationsManagement solutions](https://learn.microsoft.com/en-us/azure/templates/microsoft.operationsmanagement/solutions?pivots=deployment-language-bicep)

# Pricing Tier Reference

<https://learn.microsoft.com/en-gb/azure/azure-monitor/logs/cost-logs#pricing-model>

# What are log analytics solutions?

Log analytics solutions are typically software solutions with data visualization and insights tools. These features help you find issues, analyze them, and fix them quickly and efficiently. DevOps teams may consolidate log data from many apps and services using log analytics solutions. Once the data is consolidated in the log analytics solution, teams can design queries to quickly extract insights from the data.

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# Available (All / Other) Solutions

Reference - <https://learn.microsoft.com/en-us/cli/azure/monitor/log-analytics/solution?view=azure-cli-latest>

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Reference - [Microsoft.OperationsManagement solutions](https://learn.microsoft.com/en-us/azure/templates/microsoft.operationsmanagement/solutions?pivots=deployment-language-bicep#solutionplan)

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