#### Azure Monitor metrics, logs and Alerts

Friday, April 28, 2023 9:42 AM

### Monitoring Be notified of any signs of failure Discover changes needed to operate more efficiently Azure Monitor can automatically: Collect data about your resources Analyze the data Notify the appropriate people when there are issues

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Capture some into without any config

### **Registering Resource Providers**



- These resource providers need to be registered before you can configure Azure Monitor:
  - Microsoft.insights
  - Microsoft.AlertsManagement
- Azure registers them automatically when you start using them

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### **Metrics and Logs**



- Numeric (e.g., 30 MB)
- Stored in a metrics database
- - Typically contain text messages
  - Tell you about events that occurred

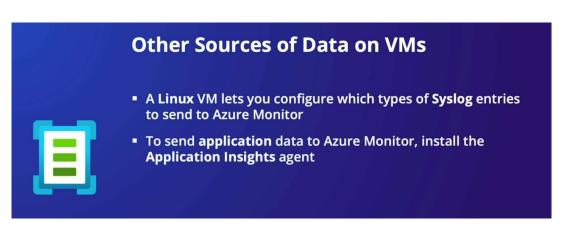
Octivity log - contains all of the subsc level events about your resource rather than events that happened within the resource.

# Activity Log Free Keeps log entries for 90 days To keep them for longer, route the log entries to another location, such as: Azure Storage Log Analytics workspace (component of Azure Monitor Logs) Can be stored for up to seven years Significantly more expensive than Azure Storage Can run sophisticated queries on your logs Can hold all kinds of different logs

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## Monitoring Virtual Machines - VMs generate information at different levels: - Virtual machine - Operating system - Applications - To send this information to Azure Monitor, you need to install agents on the VM

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### Azure Monitor agent Diagnostics agent Dependency agent Application Insights agent Operating system data (Will be replaced by Azure Monitor agent) Map feature Application performance data

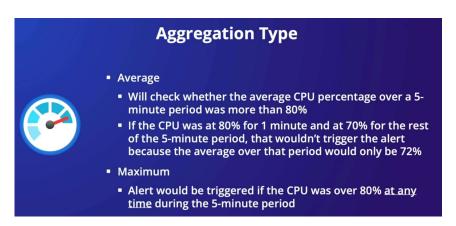
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Alerts

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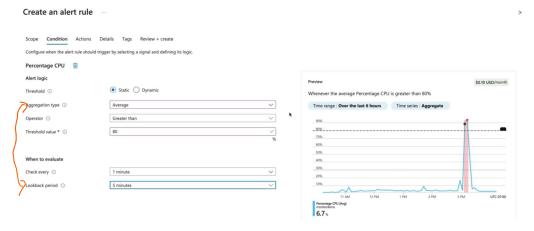


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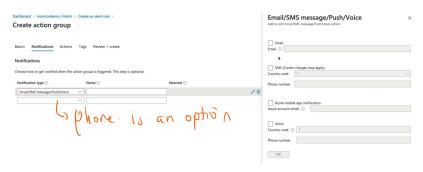
Choose how to get notified when the action group is triggered. This step is optional.



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the disabvantage of doing it this way is that you'd have to entil this info manually.

and you'd have to do this for every action group you created:

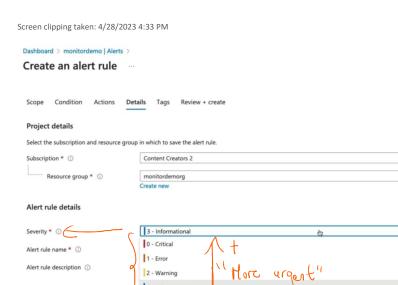
### **IT Service Management**



- If you use an IT Service Management system, such as ServiceNow or Microsoft System Center Service Manager, follow these steps to send your notifications there:
  - 1. Install the IT Service Management Connector
  - 2. Select the ITSM option in the action group

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### Create action group Basics Notifications Actions Tags Review + create Actions Automation Runbook Azure Function Event Hub ITSM 🚄 Logic App



2 - Warning 3 - Informational

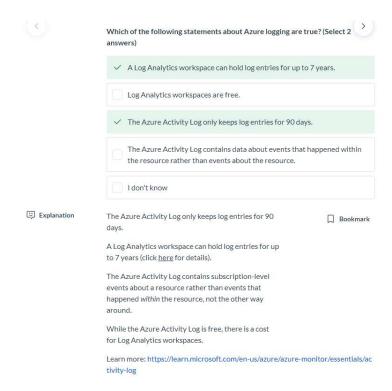
4 - Verbose

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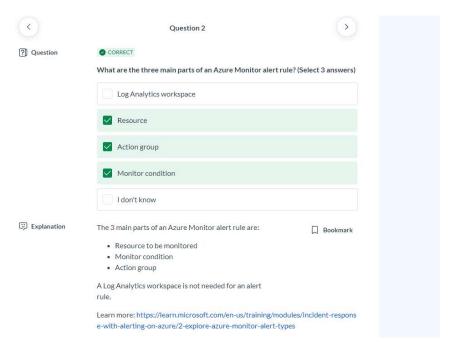
∨ Advanced options

Secure Webhook

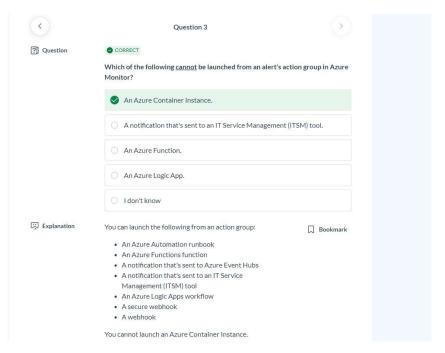
You can edit the alerts



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