# Central Workload Health Dashboards

## Deployment Guide

### Architecture Diagram and description

### A diagram of a software flow Description automatically generated

### Prerequisites

### **Log Collection Settings**

The following log settings are enabled so that the Grafana dashboard required logs are collection by Azure Monitor

* Collect Performance Counters from VMs

[Create Data Collection Rule](https://learn.microsoft.com/en-us/azure/azure-monitor/agents/data-collection-rule-azure-monitor-agent?tabs=portal) with

* + “Resources” including all monitored VMs
  + “Data Source” including Performance Counter – check all counters
  + “Destination” to single identified Log Analytics Workspace
* Migrate existing App Insights to [Workspace-based](https://learn.microsoft.com/en-us/azure/azure-monitor/app/convert-classic-resource), ensure all App Insights are integrated to a single Log Analytics Worspace

App Insights Log tables on Log Analytics Workspace as shown below. All logs from multiple App Insights are stored within these tables filterable by column “AppRoleName”

A screenshot of a computer

Description automatically generated

* Create [App Insights Standard Tests](https://learn.microsoft.com/en-us/azure/azure-monitor/app/availability-standard-tests) to perform availability tests to all App Services under CWHD context.

Standard Tests logs are stored in AppAvailabilityResults

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* Enable APIM Diagnostic logs for “all log types” to same Log Analytics Workspace integrated with all App Insights as described above

**Provision Managed Grafana**

[Create an instance of Managed Grafana](https://learn.microsoft.com/en-us/azure/managed-grafana/quickstart-managed-grafana-portal) and [add Grafana Admin permission](https://learn.microsoft.com/en-us/azure/managed-grafana/how-to-authentication-permissions?tabs=azure-portal) for team members who are Grafana admins

### Resource Health Retriever Function App

GitHub repo

Create Function

* App settings required
* Enable managed identity and assign MI as Reader role to subscription

How to deploy

* az functionapp deployment source config-zip -g {resource group of function} -n {function name} --build-remote --src 'func-app.zip'

### Level 0 and Level 1 Grafana Dashboards

### Abbreviation

* CWHD – Central Workload Health Dashboards