

solution	Arxus Hybrid Cloud	Arxus Cloud Custodian	Arxus Modern Workplace
<b>PLAN Management &amp; Monitoring – INT0008</b>		●	

## Solution Overview

The keys to proper management in any environment are consistency and repeatable processes. There are endless of options for the things that can be done in Azure. Likewise, there are countless approaches to cloud management.

To provide consistency and repeatability, it's important to narrow those options to a consistent set of management processes and tools that will be offered for workloads hosted in the cloud.

The **Arxus Management & Monitoring** session will learn you what Azure tools that exist and how to use them to monitor and manage the workloads hosted in the cloud or on-prem.

After attending this masterclass, you will have gained the following insights:

You know how to monitor your environment using Azure Monitor.

You know how to backup Workloads using Azure Backup.

You know how to manage Virtual Machine updates using Azure Automation.

You know how to perform management and monitoring of resources outside of Azure using Azure ARC using native Azure tools.

You know how Management and Monitoring is approached in the Cloud Adoption Framework.

# Detailed Description

## Azure Monitor

Maximize the availability and performance of your applications and services. The solution for collecting, analyzing, and acting on telemetry from your cloud and on-premises environments.

### Topics

- What is Azure Monitor?
- Data Platform
- Alerting
- Insights
- Deploy At Scale
- Pricing

## Application Insights

Application Insights, a feature of Azure Monitor, is an extensible Application Performance Management (APM) service for developers and DevOps professionals. Use it to monitor your live applications. It will automatically detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app.

### Topics

- Overview
- Implementing and Configuring
- Telemetry
- Visualizations
- Management
- Pricing

## Azure Automation

Azure Automation delivers a cloud-based automation, operating system updates, and configuration service that supports consistent management across your Azure and non-Azure environments. It includes process automation, configuration management, update management, shared capabilities, and heterogeneous features.

### Topics

- Automation Account
- Shared Resources
- Process Automation
- Configuration Management
- Update Management

## Azure Backup

The Azure Backup service provides simple, secure, and cost-effective solutions to back up your data and recover it from the Microsoft Azure cloud.

### Topics

- Overview
- Vault
- Backup policy
- Backup Center
- Pricing

## Azure ARC

Azure Arc simplifies governance and management by delivering a consistent multi-cloud and on-premises management platform.

Manage your entire environment, with a single pane of glass, by projecting your existing non-Azure, on-premises, or other-cloud resources into Azure Resource Manager.

Manage virtual machines, Kubernetes clusters, and databases as if they are running in Azure.

Use familiar Azure services and management capabilities, regardless of where they live.

Continue using traditional ITOps, while introducing DevOps practices to support new cloud native patterns in your environment.

Configure Custom Locations as an abstraction layer on top of Azure Arc-enabled Kubernetes cluster, cluster connect, and cluster extensions.

### Topics

- Overview
- Azure Arc-enabled infrastructure (Azure Arc-enabled servers, SQL Server, Kubernetes, data services, application services, machine learning)
- Azure Stack HCI
- Pricing

## Cloud Adoption Framework

The Microsoft Cloud Adoption Framework for Azure is guidance that's designed to help you create and implement business and technology strategies for the cloud. It provides best practices, documentation, and tools. Cloud architects, IT professionals, and business decision makers use this information to achieve their cloud adoption goals.

### Topics

- Overview
- Ready
- Manage

## Deliverables

PLAN Management & Monitoring – INT0008	included deliverable	supported deliverable	on-demand deliverable
Organize, prepare and lead 1-day management & monitoring session	●		
Understanding how to monitor your environment using Azure Monitor	●		
Understanding how to backup Workloads using Azure Backup	●		

Understanding how to manage Virtual Machine updates using Azure Automation	●		
Understanding how to perform management and monitoring of resources outside of Azure using Azure ARC using native Azure tools	●		
Understanding how Management and Monitoring is approached in the Cloud Adoption Framework	●		
Identify and discuss a first adoption project	●		
A completed Microsoft cloud adoption plan template	●		
Workshop format			
remote session	●		
on-site (optional)		●	

(1) note

## Billing

Deliverables will be charged by their stated classification :

INCLUDED : part of the service, covered by the service fee

SUPPORTED : part of the service at additional cost (T&M)

ON-DEMAND : provided per request of the customer at additional cost (T&M)

resource type	subscription unit	billing
Arxus	Management & Monitoring solution	
Azure <sup>(1)</sup>	none	

(1) additional Azure resources - required by the listed Arxus service - can show up in the Azure subscription billing

## Audience

Business Stakeholders

Cloud Solution Architect

Cloud Engineers

## Pre-requisites, Assumptions

A general understanding on basic cloud concepts.

A more detailed education session on cloud concepts and Azure fundamentals can be included on-demand.

Customer provides meeting room facilities for on-site sessions (whiteboard, beamer, conferencing setup, ...).