Azure Arc for Datacenter Management – PoC

For customers who want to simplify complex and distributed environments across on-premises, edge and multi-cloud, Azure Arc enables management outside of Azure Cloud anywhere and extends Azure management practices to any datacenter infrastructure.

Office Line specialized team of engineers implements a PoC of best practices and approved scenarios for datacenter management to:

- Run Azure services anywhere.
- Extend Azure management across your environments.
- Adopt Cloud practices on premises.
- Implement Azure Security & Compliance anywhere.

Why customers trust Office Line

- ✓ Advanced Specialized Partner for Azure services.
- ✓ Microsoft's Country Partner of the Year for Greece 2019, 2020 & 2021.
- ✓ High qualified technical professionals.
- ✓ Empowered with future-proof solutions.
- ✓ Announced from Microsoft as FastTrack Ready Partner for Greece, Cyprus, Malta.
- ✓ Strategic planning & ongoing consulting.

Define Scope

❑ **Assessment & Evaluation**
  Evaluation of the information security management and control current state
  Assess current protection policies, rules and processes
  Detect possible gaps and limitations
  Define scope for monitoring & alerting
  Review access and design role assignments

Enablement

❑ **Onboarding**
  Install Azure Connect Machine Agent
  Connect to Azure Arc and verify connection

❑ **Configure monitoring**
  Enable Azure Monitor – Review host CPU, disk, health state, review list of activities
  Assign resource tags to categorize resources
  Run queries on logs to gather information about servers

Security & Compliance

❑ **Enable Threat Protection**
  Enable Security Center for advanced protection and vulnerability management
  Enable data collection & reporting

❑ **Configure Compliance**
  Enable change tracking and inventory
  Configure Update Management
  Add & configure Azure policies

Azure Arc Use Cases

Azure Arc-enabled Servers scenarios:

Use case	Azure management service enabled by Azure Arc
Software updates on Windows Server machines anywhere	Azure Update Management uses the Log Analytics agent and can run on supported Windows Server OS for patch/update control.
Software updates on Linux machines anywhere	Azure Update Management uses the Log Analytics agent and can run on supported Linux distributions for patch/update control.
Software updates for on-premises systems which are behind an internet gateway	Azure Update Management can work with the Log Analytics Gateway, to manage machines behind proxy and firewalls.
Server inventory and information collection	Azure Automation Change Tracking and Inventory tracks changes in virtual machines and server infrastructure.
Run custom scripts on machines	Use Custom Script Extension in Azure or Process Automation to create and manage PowerShell scripts and workflows, Python scripts and graphical runbooks.
Create, manage and deploy applications on machines	Use Azure Custom Script Extension to deploy apps and packages to VMs, doesn't have a UI like Software Center in MECM.
Manage policies to mitigate malicious attacks	Azure Security Center provides unified security management and advanced threat protection across hybrid cloud workloads.
Server configuration management	Assign Azure Policy guest configurations & audit server configuration settings.
Deploy settings to all machines	Assign Azure Policy to deploy server configuration settings either reactively to existing machines or proactively to new machines as they are deployed.
Monitor server guest operating system	Monitor server OS performance and discover application components to monitor their processes and dependencies with other resources using VM insights.
Predict availability of vital applications	VM insights deliver predict performance and availability issues of applications by identifying performance bottlenecks and network issues..
Correlate security-related events	Configure Microsoft Sentinel to collect security-related events and correlate them with other data sources.

Azure Arc-enabled Kubernetes scenarios:

- Connect Kubernetes running outside of Azure for inventory, grouping, and tagging.
- Deploy applications and apply configuration using GitOps-based configuration management.
- View and monitor your clusters using Azure Monitor for containers.
- Enforce threat protection using Microsoft Defender for Kubernetes.
- Apply policy definitions using Azure Policy for Kubernetes.
- Use Azure Active Directory for authentication and authorization checks on your cluster.
- Securely access your Kubernetes cluster from anywhere using Cluster Connect.
- Deploy Open Service Mesh for observability and policy enforcement on service-to-service interactions
- Deploy machine learning workloads using Azure Machine Learning for Kubernetes clusters.
- Create custom locations for deploying Azure Arc-enabled Data Services, App Services on Azure Arc and Event Grid.

Why Office Line

Office Line S.A. is an internationally recognized leading Cloud Solutions Provider and Digital Transformation company, empowering customers' specific business requirements, while meeting their needs for flexibility, speed, security and reliability. With high qualified professionals holding more than 100 Microsoft Certifications and 16 Microsoft competencies, Office Line ensures customer success and business goals by adopting new technology shifts and accelerating the Digital Transformation journey.

Office Line S.A. Digital Transformation Solutions   **officeline.gr**