Warehouse Micro

VEEAM

Microsoft Surface

CLOUD CAMP

Blueprints to Azure Governance

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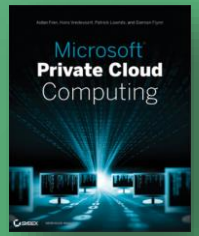
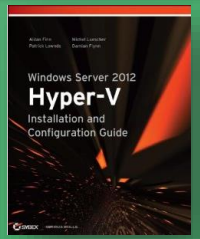
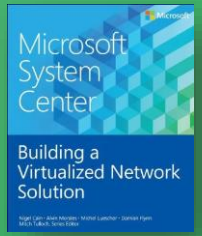
INNOFACTOR

- Cloud Governance + DevOps Evangelist
- Azure Management Elite + Advisor
- IoT & Embedded Microcontroller's
- KNX, CBus, Iridium Certified

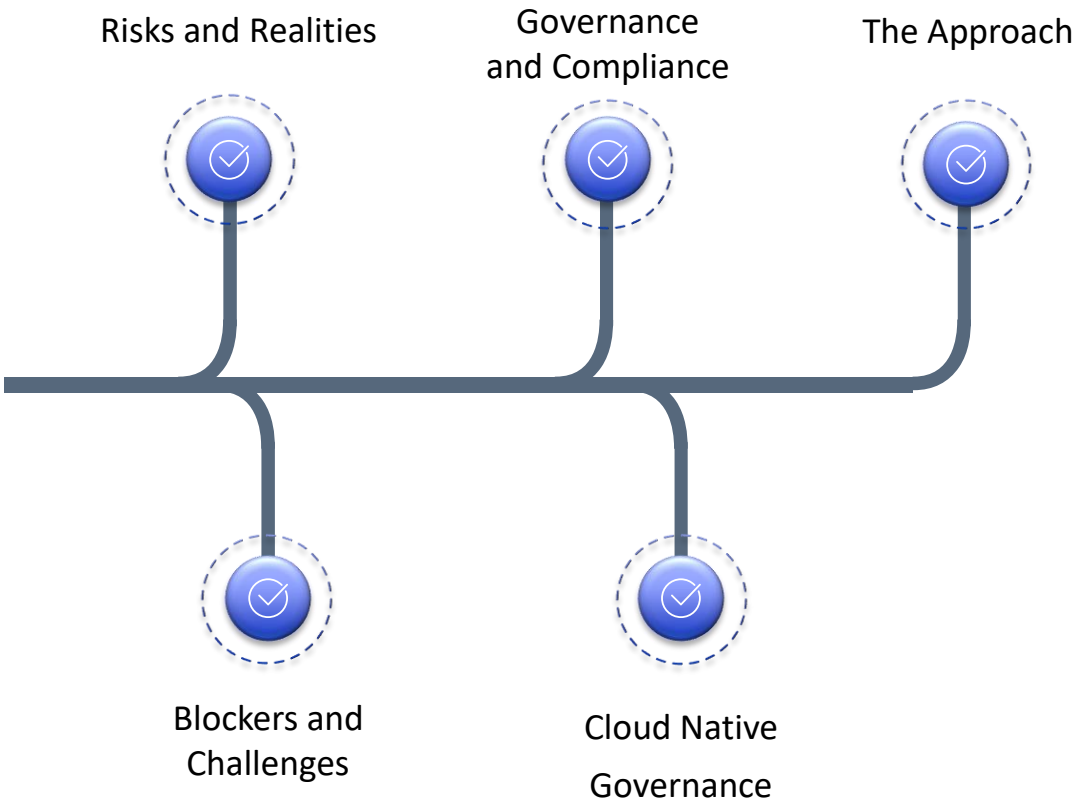






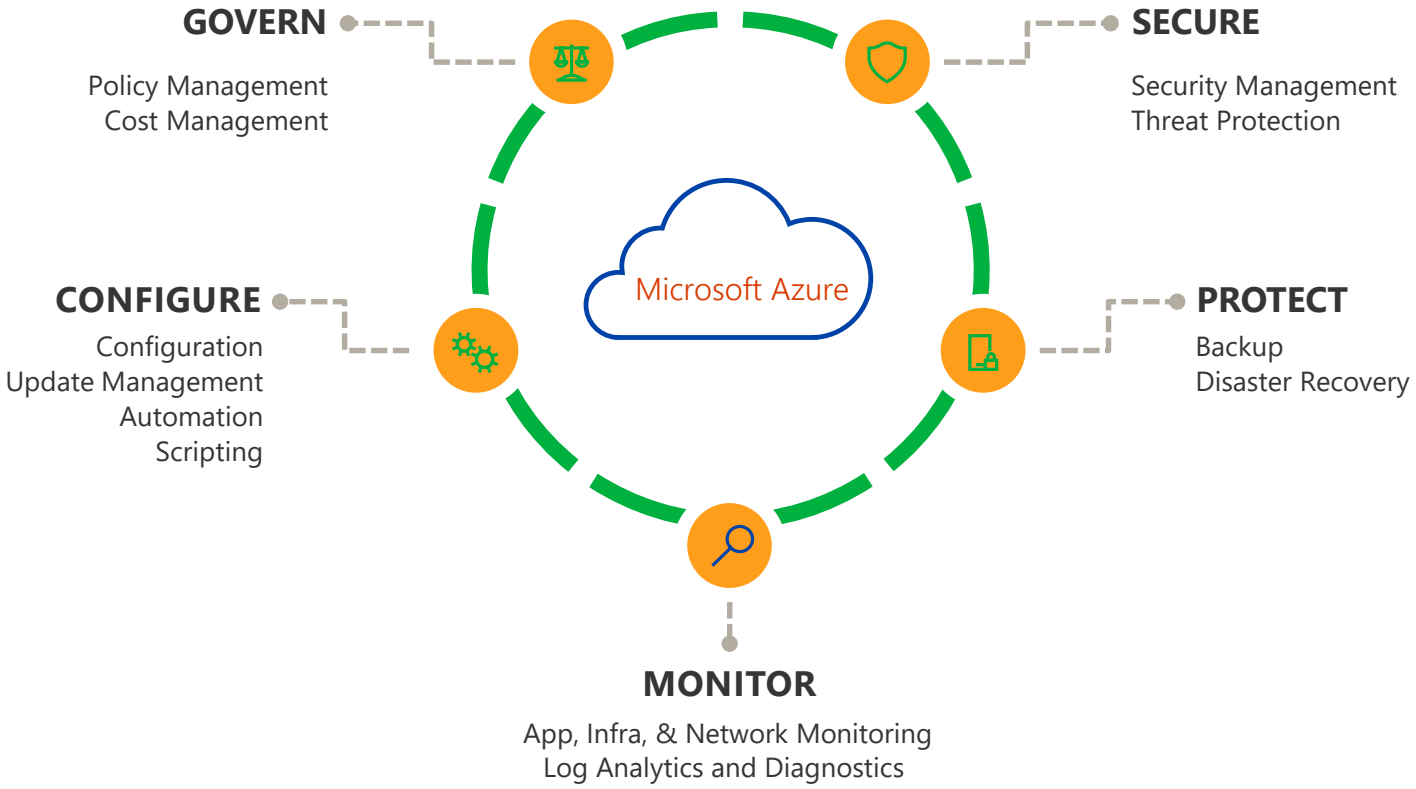
Agenda

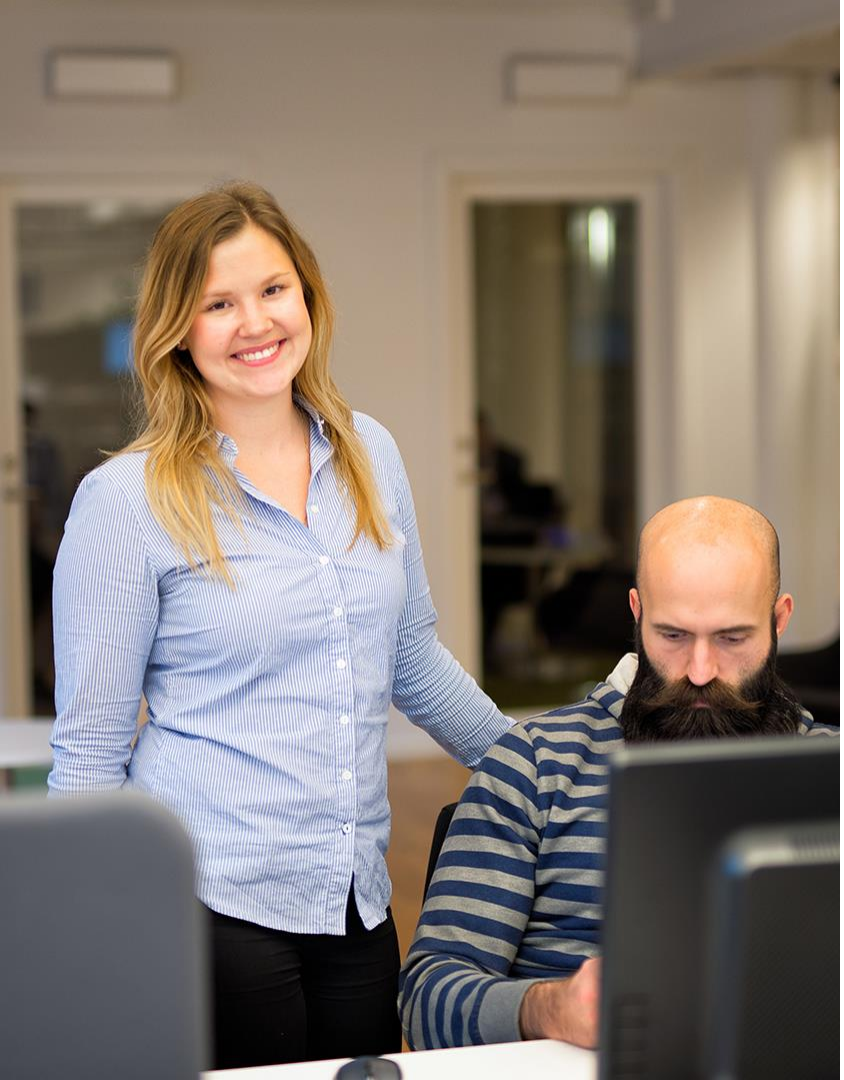
Re-Scaffolding Cloud Fabrics
with Trust



Governance is essentially the activity of defining, continuously monitoring, and auditing the rules, guidelines, policies, and processes that allocate, coordinate and control a given operation’s resources and actions. In short, establishing and auditing the application of existing ruling.

Management is the complementary activity of organizing, coordinating and steering the corporate resources and actions in full compliance with defined governance while ensuring the achievement of strategic and operational objectives. In short, making sure objectives are met while assets operate under established rules.

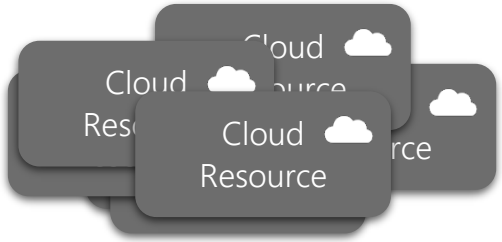

GOVERN
Policy Management
Cost Management
SECURE
Security Management
Threat Protection
Microsoft Azure
CONFIGURE
Configuration
Update Management
Automation
Scripting
PROTECT
Backup
Disaster Recovery
MONITOR
App, Infra, & Network Monitoring
Log Analytics and Diagnostics



Realities

- Central Cloud Engineering
  - Cloud Custodians
  - Cloud Asset Managers
  - Effectively the **Central IT** for the Cloud era
- Cloud Sprawl
  - Cloud resources rapidly created by team without proper configuration and clear business alignment
  - Reminiscent of early 2000’s VM Sprawl

Business Resources



Challenges

- Cost Control
- Risk Mitigation
- Account Structures
- Complicated
- Business Disruption
- Service Availability
- Scale
- Security

Building Blocks

- Vaulted Credentials
- Identity Federation
  - Roles Enablement
- Virtual Networks
  - Peering, Routes, Tunnels
- Security & Logging
  - Process logs
  - Host Security tooling
  - Incident Management
  - Audits

Shared Services

- Networking
  - Express Routes, VPN
- Domain Services
  - DNS
  - LDAP / NTDS / AD
- Bastion Hosts
- Deployment Support
  - Golden Images
- Monitoring
- Automation
- Restricted Access

Business Units

Team Innovation

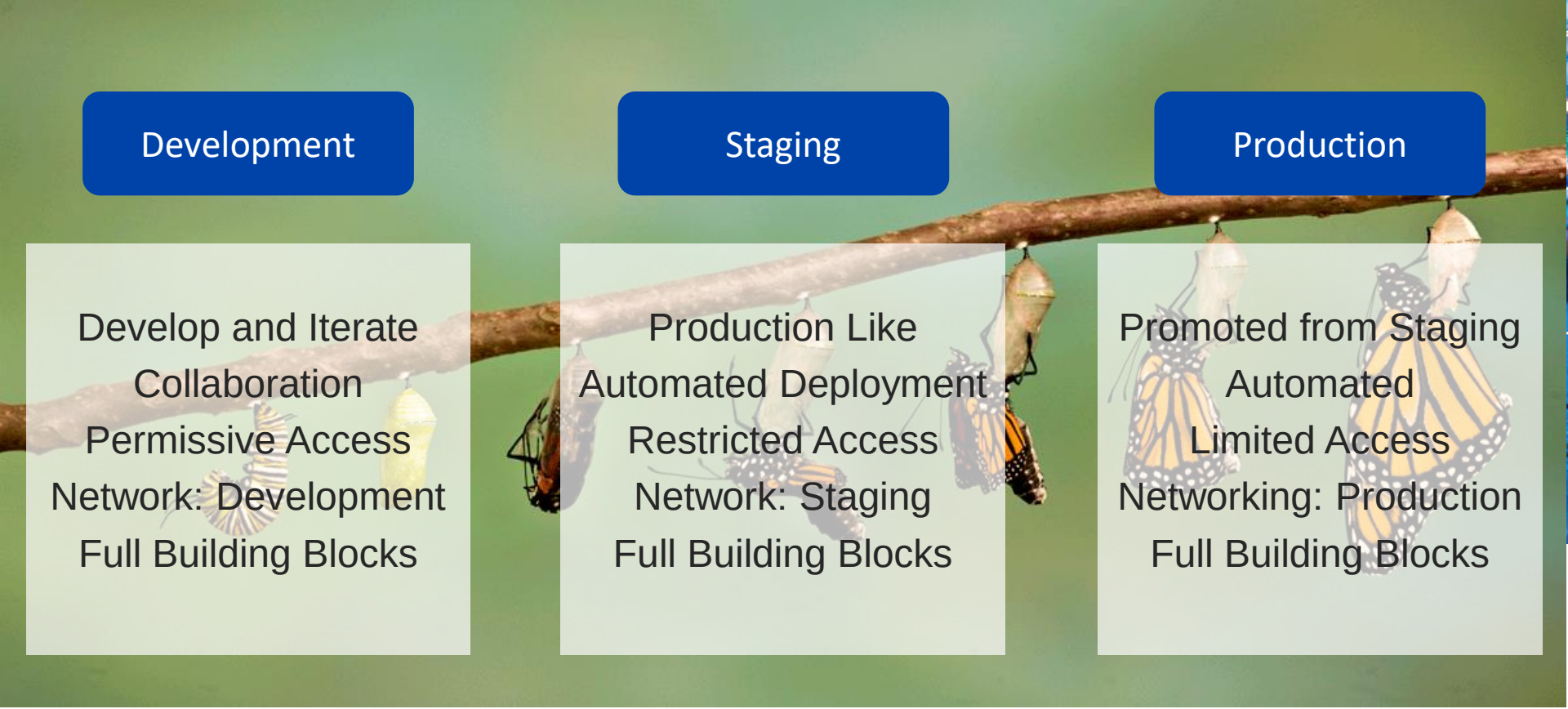
Organization Services Isolated
Multi-Tenant
Initiatives / Experimentation
Restrictive Permissions
Full Building Blocks

Developers

Learn & Experiment

Organization Services Isolated
Single Tenant
Spend Limits
Full Permissions
Minimal Building Blocks

Sandbox Accounts



Software Development Life Cycle Accounts

Goals

Automation

Scalability

Self Service

Guardrails

Flexibility

Audit Logs

Steps

- Define tagging strategy
- Define naming strategy
- Define automation strategy
- Scaffold environment foundation
- Establish shared services
- Define governance policies

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