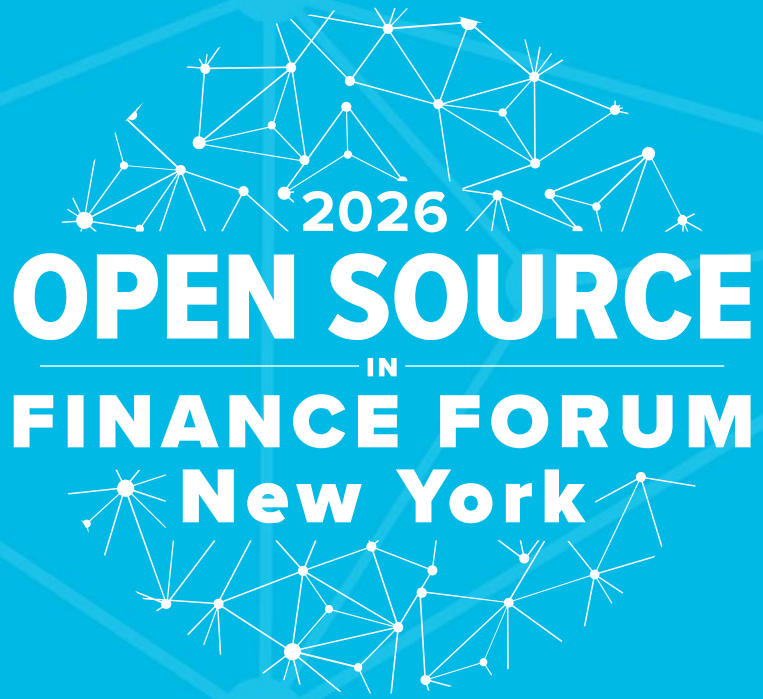


An Open-Source Blueprint for Financial-Grade Kubernetes – Morgan Stanley, Microsoft and FINOS CCC

Yash Gandhi – VP, Morgan Stanley
Jack Tracey – PM, Microsoft

Agenda

01 THE PROBLEM

02 THE PROPOSAL

03 HOW AVM HELPS

04 FINOS CCC + AVM

05 DEMO

The Problem

The Problem



Global Regulations



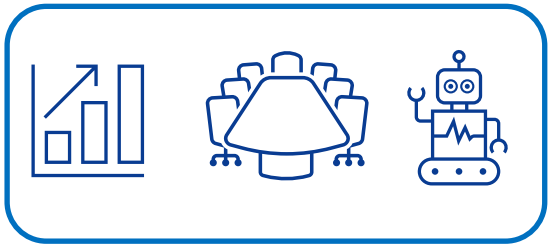
Financial Institutions



Cloud Providers

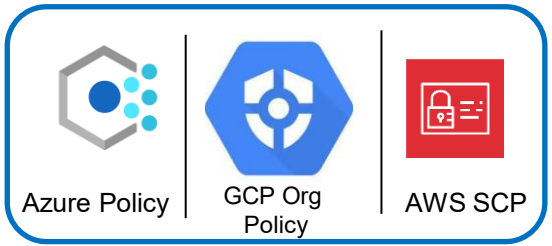


Security Guardrails



Business Demands

The Problem



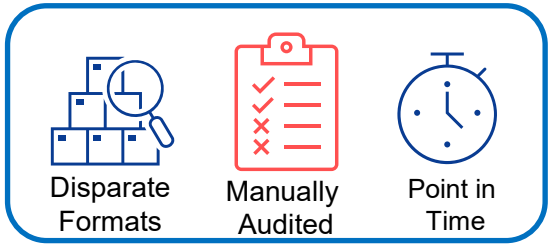
Landing Zone Controls



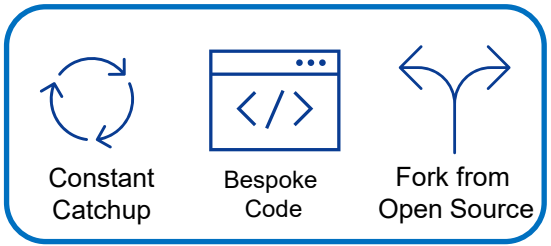
Kubernetes Policies



Apps on Kubernetes



Audit Evidence



Enterprise Layers

The Proposal

The Proposal

451 Capabilities
226 Threats
210 Controls

FINOS CCC Catalogs

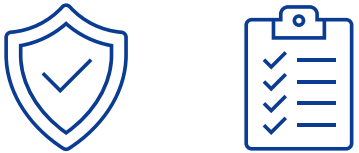


Azure Verified Modules

CSP Engineering Support



Financial Institutions running Kubernetes



Standards based Reports

Automated Evidence



CI / CD Integrated Validation

Continuous Compliance

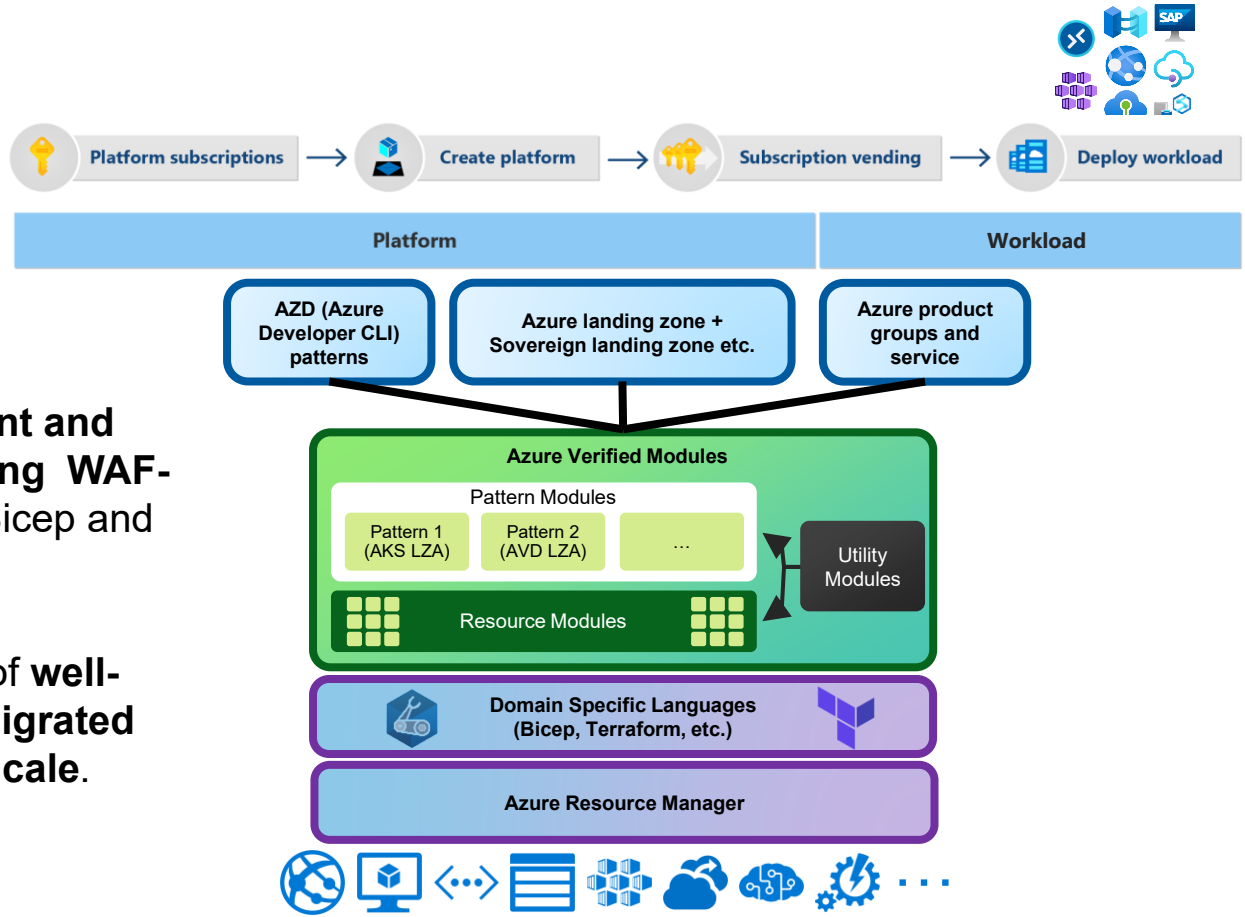
What is AVM?

What are Azure Verified Modules (AVM)?

aka.ms/AVM

AVM enables **at scale, resilient and secure Azure deployments, using WAF-aligned Infra-as-Code** in both Bicep and Terraform.

AVM accelerates the delivery of **well-architected cloud-native or migrated** (redeployed) **workloads at scale**.



Azure Verified Modules vs other libraries

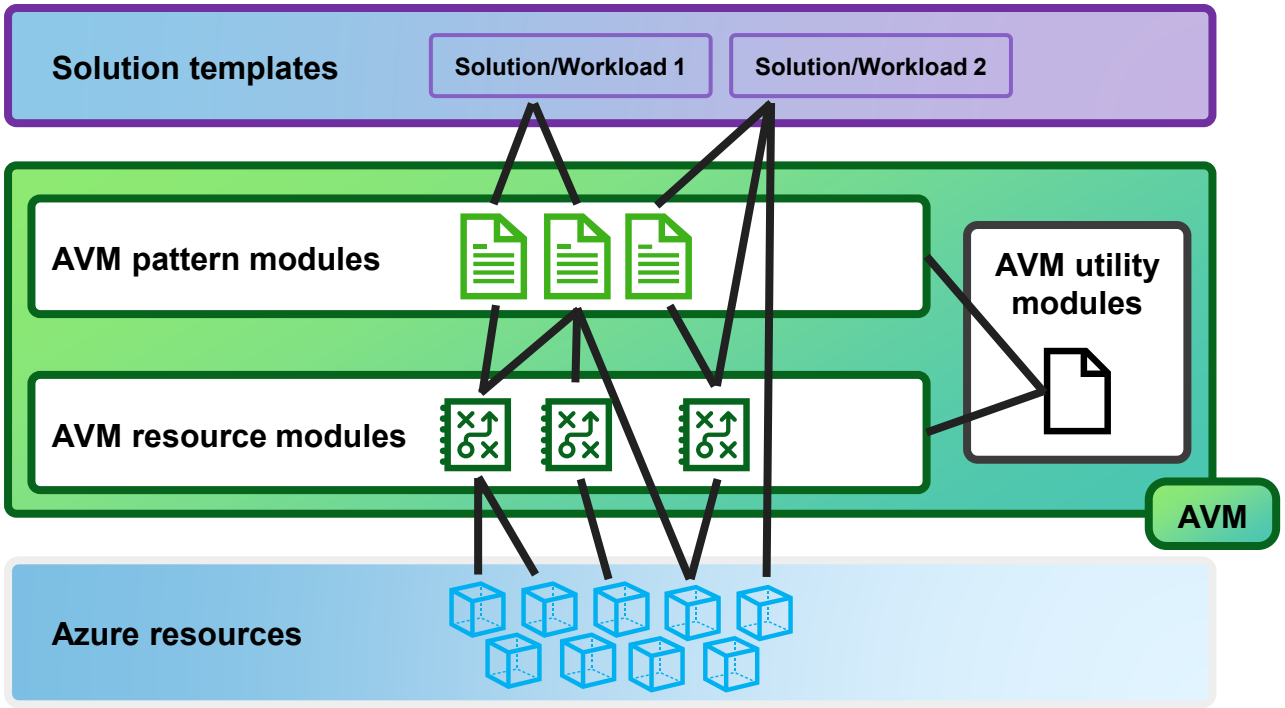
AVM

- Enforced module specifications & standards
- Strict module classifications
- Modules are generic & flexible – but WAF aligned
- Backed by Microsoft Azure engineering teams + FTEs

Other libraries

- No enforced standards
- No hierarchical template classification
- Templates are purpose-built examples
- Support differs + isn't guaranteed

Referencing AVM modules



AVM in an AI & agentic world

In the era of AI…

To focus on what really matters, organizations need…

- Move from PoC to production fast
- Remove reliance on custom code
- More resilient & secure solutions
- Standard & flexible open-source approach
- Integration with existing tools & knowledge

AVM in an AI & agentic world

In the era of AI…

Azure Verified Modules help organizations by…

Providing reusable, tested, ready-to-deploy IaC building blocks (modules) for well-architected Azure deployments

- Move from PoC to production fast
- Remove reliance on custom code
- More resilient & secure solutions
- Standard & flexible open-source approach
- Integration with existing tools & knowledge

Supported by Microsoft Azure engineering and FTEs; whilst supporting open-source contributions

The future direction of AVM + FINOS CCC

What Is FINOS Common Cloud Controls?

FINOS COMMON CLOUD CONTROLS

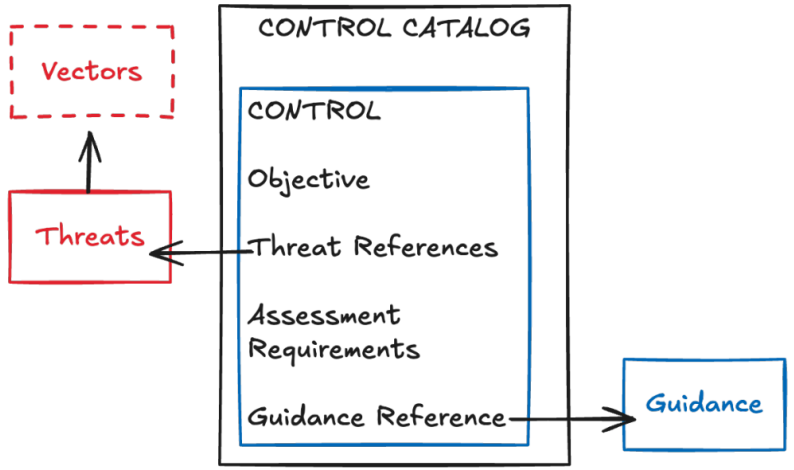
An open standard describing consistent controls for compliant public cloud deployments in financial services, developed collaboratively by banks, cloud service providers and the wider community.

458 Capabilities

181 Threats

167 Controls

Catalog totals as published on ccc.finos.org



Each control links to the threats it mitigates, verifiable assessment requirements, and external guidance.

How AVM and FINOS CCC fit together

AVM modules – today

- Available now for Azure resources
- Tested, WAF-aligned building blocks
- Bicep and Terraform, Microsoft engineering-backed

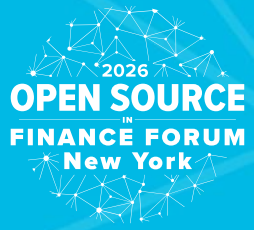
FINOS CCC examples

- Added to each AVM module over time
- Show how the module meets FINOS CCC controls
- AKS first; as we show today

Customer outcome

- Take the example off the shelf
- Deploy FINOS CCC-compliant resources, fast
- Tweak, customize and extend

Future: FINOS CCC may publish opinionated patterns to the Terraform Registry; AVM examples stay tweakable.



Demo

Workshop: Trusted K8s for Finance with CCC



Three key takeaways

1

AVM is the shared foundation

2

Agentic engineering still needs trusted, tested modules

3

AVM FINOS CCC examples will grow through your active open-source collaboration

aka.ms/AVM

2026 OPEN SOURCE IN FINANCE FORUM New York

Q&A



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Feedback