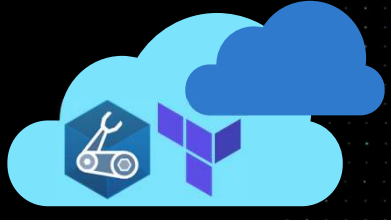
Microsoft



Azure Verified Modules (AVM)

The Microsoft IaC Module Strategy for Bicep & Terraform

Problem Statement from our Customers

Customer operates cloud with ClickOps → Customer starts adopting basic IaC and DevOps practices → Proliferation of code, lots of repeated lines → Customer tries to decouple repeated code & rationalize → Customer looks for open-source IaC repos →

There are many IaC repos with their own standards → Customer picks one repo → The repo is not officially supported by Microsoft, or the repo gets abandoned over time → Solution: introduce the official Microsoft approach, Azure Verified Modules (AVM)

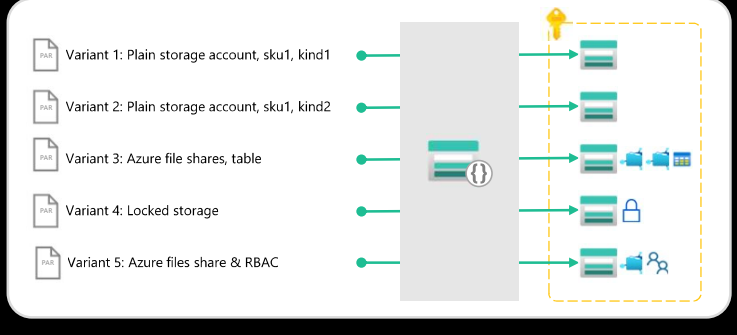
What is our mission?

"Our mission is to deliver a **comprehensive Azure Verified Modules library** in **multiple IaC languages**, following the principles of the **well-architected framework**, serving as the **trusted Microsoft source of truth**.

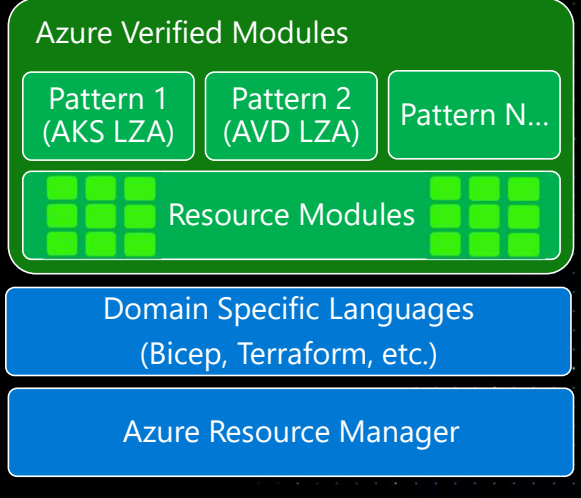
Supported by Microsoft, AVM will **standardize and accelerate the deployment** of Azure **resources** and **architectural patterns**, empowering every person and organization on the planet on their IaC journey."

Azure Verified Modules (aka.ms/AVM)

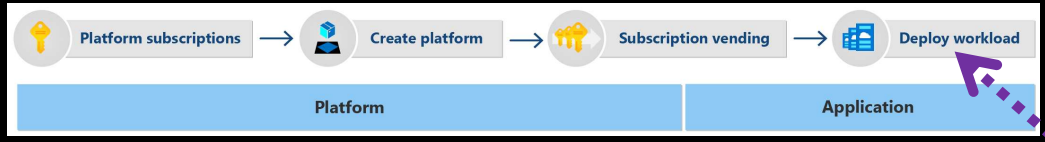
- AVM is an official, **Microsoft driven initiative** to consolidate and set the standards **for Infrastructure-as-Code modules**, with a **devolved ownership approach to develop modules**, leveraging internal & external communities.
- AVM modules are **composable building blocks** that encapsulate groups of resources dedicated to one task. These modules are used to **deploy Azure resources** and their **extensions consistently**.
- AVM **accelerates** the **delivery** of cloud-native or migrated **applications and** their supporting **infrastructure**, **reliably/consistently** and **at scale**, by codifying Microsoft guidance (WAF), with best practice configurations (Resiliency and Security by default).

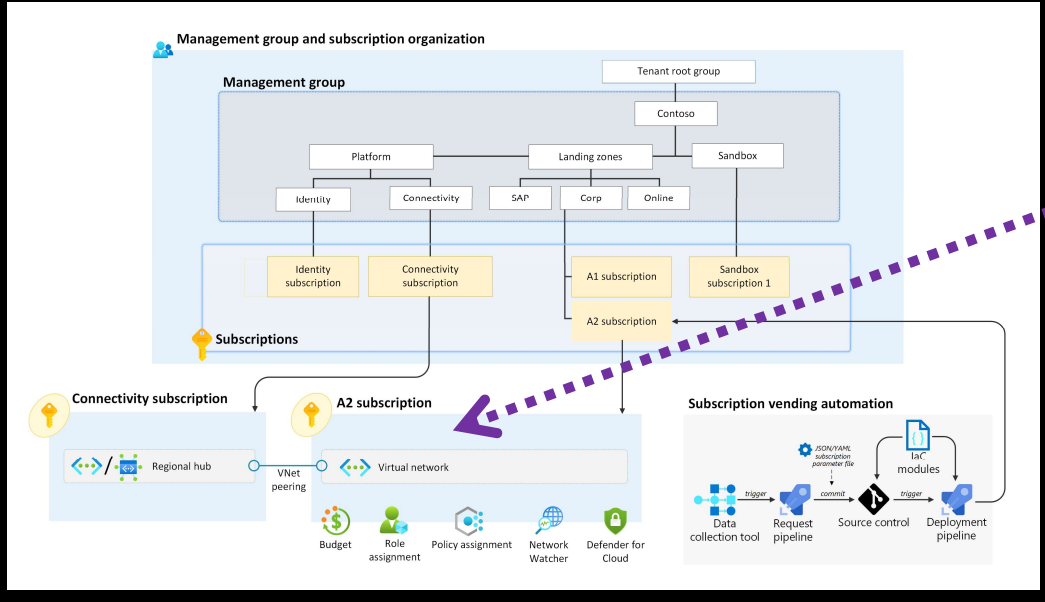


Flexible, generalized, **multi-purpose**
Integrates **child resources**
Integrates **extension resources**



Where does AVM fit in our customer journey?





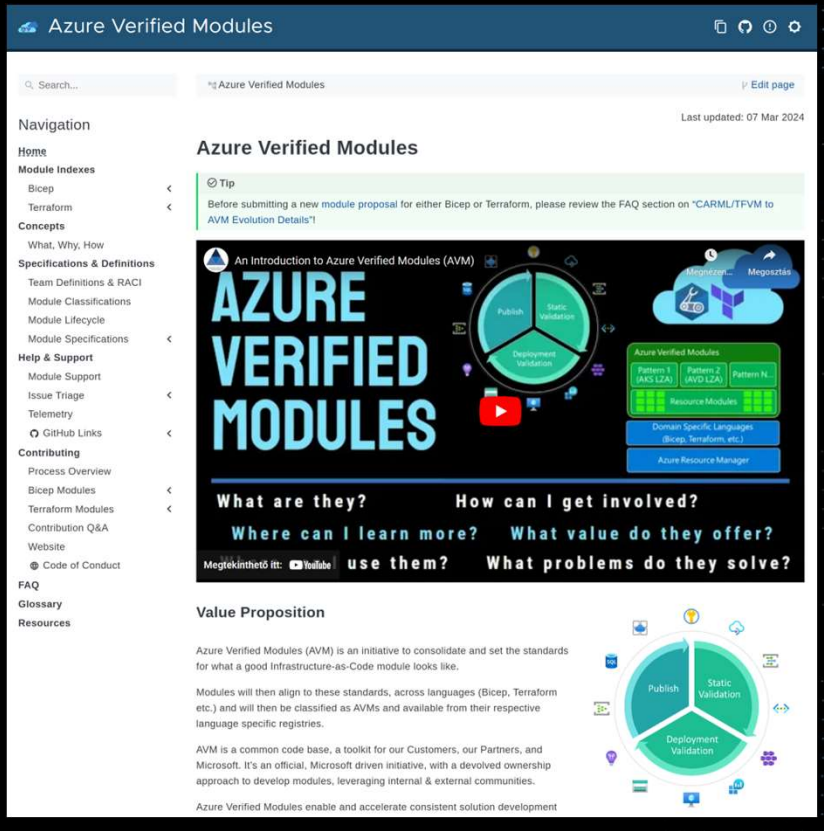
AVM is targeted towards customers wishing to **build, construct and deploy workloads** into their **application landing zones (subscriptions).**

Whether **self-constructed** from **resource modules** or using **pre-built pattern modules**

These customers have typically already deployed ALZ using our existing implementation options

Website

aka.ms/AVM



Learn about AVM

Module indexes
https://aka.ms/AVM/ModuleIndex

Module classifications
https://aka.ms/AVM/ModuleClassifications

What does "Verified" mean?
https://aka.ms/AVM/Verified

FAQ
https://aka.ms/AVM/FAQ

Telemetry
https://aka.ms/AVM/Telemetry

Module Support
https://aka.ms/AVM/Support

Using AVM
https://aka.ms/AVM/Using

Contributing
https://aka.ms/AVM/Contributing

Resources

✅ Introducing Azure Verified Modules

- Azure Verified Modules public website - https://aka.ms/AVM
- Intro video: https://aka.ms/AVM/intro
- Intro blog: https://aka.ms/AVM/intro/blog
- FAQ: https://aka.ms/AVM/FAQ
- Module Index: https://aka.ms/AVM/ModuleIndex
- Propose a new module: https://aka.ms/AVM/ModuleProposal

🧪 Try out AVM using our labs:

- Bicep lab: https://aka.ms/avm/bicep/labs
- Terraform lab: https://aka.ms/avm/tf/labs

🧬 Lifecycle and getting help/support

- Request new feature/report bug for existing module
  - Bicep: https://aka.ms/AVM/Bicep/ModuleIssue
  - Terraform: create an issue on the repo of the module in question
- Generic question for AVM: https://aka.ms/AVM/QuestionFeedback

Thank you!