



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 laC 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



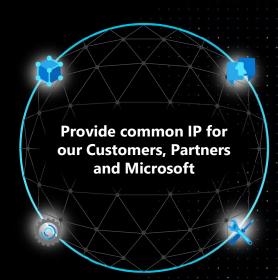
Solution: introduce the official Microsoft approach, Azure Verified Modules (AVM)

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**.

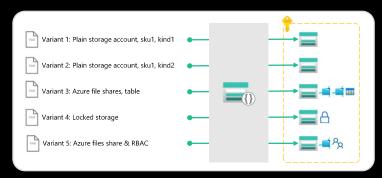
Supported by Microsoft, AVM will **standardize and accelerate the deployment** of Azure **resources** and **architectural patterns**, empowering every person and organization on the planet on their laC journey."



Azure Verified Modules (aka.ms/AVM)

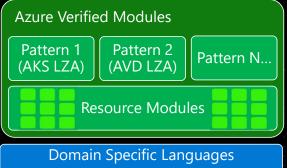


- AVM is an official, Microsoft driven initiative to consolidate and set the standards for Infrastructure-as-Code
 modules, with a devolved ownership approach to develop modules, leveraging internal & external communities.
- AVM modules are composable building blocks that encapsulate groups of resources 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



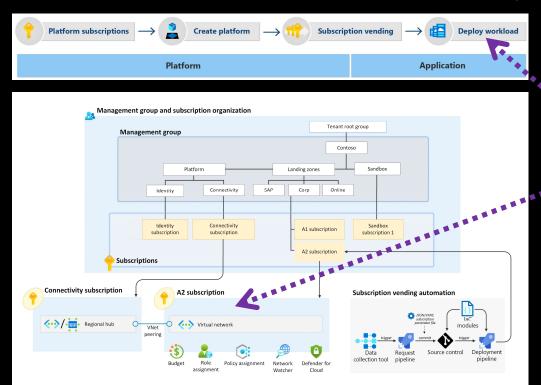


Domain Specific Languages (Bicep, Terraform, etc.)

Azure Resource Manager

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

Azure Verified Modules

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nd Azure Verified Modules

⊘ Tip

Before submitting a new module proposal for either Bicep or Terraform, please review the FAQ section on "CARML/TFVM to AVM Evolution Details"



Where can I learn more? What value do they offer?

Meginishingson: Companion use them? What problems do they solve?

Value Proposition

Azure Verified Modules (AVM) is an initiative to consolidate and set the standards for what a good infrastructure-as-Code module looks like.

Modules will then align to these standards, across languages (Bicep, Terraform etc.) and will then be classified as AVMs and available from their respective language specific registries.

AVM is a common code base, a toolkit for our Customers, our Partners, and Microsoft. It's an official, Microsoft driven initiative, with a devolved ownership approach to develop modules, leveraging internal & external communities.

Azure Verified Modules enable and accelerate consistent solution development



Learn about AVM





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/FAO

Telemetry

nttps://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!