

About me



Hannes Lagler-Gruener

Multi Cloud Architect

 <https://cloudblogger.at>

 <https://www.linkedin.com/in/hannes1>

 @HannesLagler

<https://cloudblogger.at>



Welcome to a new session about



<https://cloudblogger.at>

My first Azure Blueprint

Video type: Nugget

Video category: Level-200

Session Agenda

- What is Azure Blueprints?
- Azure Blueprint Permissions
- Artifacts Azure Blueprint
- Blueprint automation
- Blueprint definition
- Live Demo



<https://cloudblogger.at>

What is Azure Blueprints?

- Ability to define a repeatable set of Azure resources
- Rapidly build and stand up new environments
- Declarative way to orchestrate the deployment of various resource such as:
 - Role Assignments
 - Policy Assignments
 - Azure Resource Manager templates (ARM templates)
 - Resource Groups
- Backed by the globally distributed Azure Cosmos DB



<https://cloudblogger.at>

Azure Blueprint permissions

Build-in Permission roles:

- Owner
 - In addition to other permissions
 - Full Azure Blueprint permission



<https://cloudblogger.at>

Azure Blueprint permissions

Build-in Permission roles:

- Contributor
 - In addition to other permissions
 - Can create and delete blueprint
 - NO Blueprint assignment permission



<https://cloudblogger.at>

Azure Blueprint permissions

Build-in Permission roles:

- Blueprint Contributor
 - Can manage blueprint definitions
 - NO Blueprint assignment permission



<https://cloudblogger.at>

Azure Blueprint permissions

Build-in Permission roles:

- Blueprint Operator
 - Can assign existing (published) blueprints
 - Assignment only works with **user-assigned** managed identity!
 - Can't create new blueprint definitions



<https://cloudblogger.at>

Azure Blueprint permissions

Custom Permissions:

- Create/Delete permissions
 - Microsoft.Blueprint/blueprints/(write/delete)
 - Microsoft.Blueprint/blueprints/artifacts/(write/delete)
 - Microsoft.Blueprint/blueprints/versions/(write/delete)
- Assign permission
 - Microsoft.Blueprint/blueprintAssignments/write
 - Microsoft.Blueprint/blueprintAssignments/delete



<https://cloudblogger.at>

Artifacts Azure Blueprint

- Azure Resource Groups
- Azure Policy Assignment
- Azure Role Assignment
- Azure ARM Template



<https://cloudblogger.at>

Blueprint automation

You have the ability to deploy Blueprints with:

- Azure PowerShell
- Azure CLI
- Azure Rest API
- Azure ARM template



<https://cloudblogger.at>

Blueprint definition

1. Define Blueprint location (Mgmt Group or Subscription)
2. Create your Blueprint
3. Save draft
4. Publish the Blueprint
5. Assign Blueprint (including parameters)



<https://cloudblogger.at>

Switch to the Live Demo!

APPLAUSE

- Overview about Blueprint permissions
- Create the first Azure Blueprint
 - Create
 - Publish
 - Assign
- Blueprint Result



<https://cloudblogger.at>