



**Piotr Rogala** 

Automatyzacja po wdrożeniu środowiska?



30.03.2023

Godz. 15:00



























# **Piotr Rogala**



**Engineering Practice Lead** 





MVP Azure



Group leader





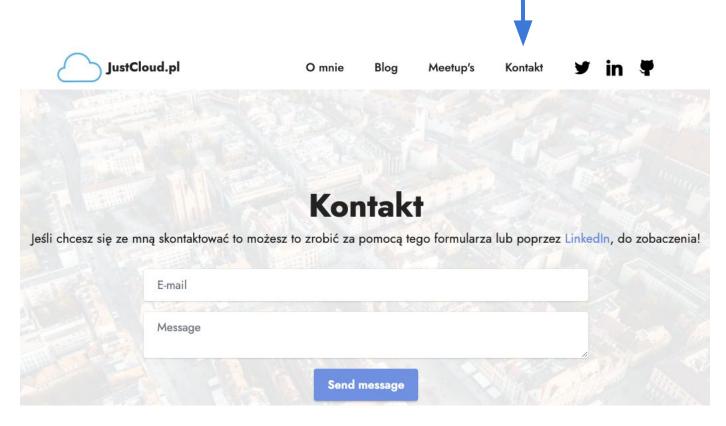


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## **Questions?**



# **Agenda**

- 1. **Project** Clicked in the portal
- **2. Automation** possibility to automation
- **3. Example** basic project
- 4. DevOps creation process for clicked project
- 5. Summary





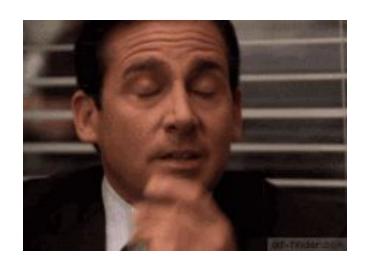
# **Project**Clicked in the portal

# **Project from portal**

- 1. Project launched from the portal
- 2. No documentation
- 3. Customer wants devops
- 4. Customer wants to manage from code

#### Why?

- Deadlines
- Lack of knowledge
- Not my problem

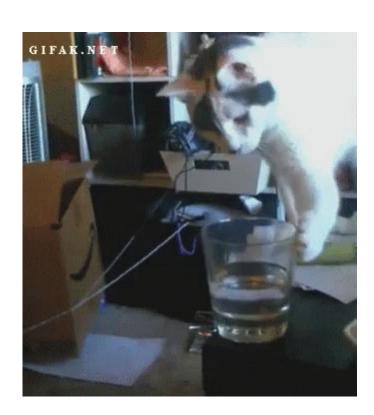


## What options do we have?

- Redeploy?
- Build scripts for existing environment?
- Reverse engineering?

In comment please add your proposal 🙂





## **Automation**

possibility to automation



### **Automation**

#### **Time-consuming**

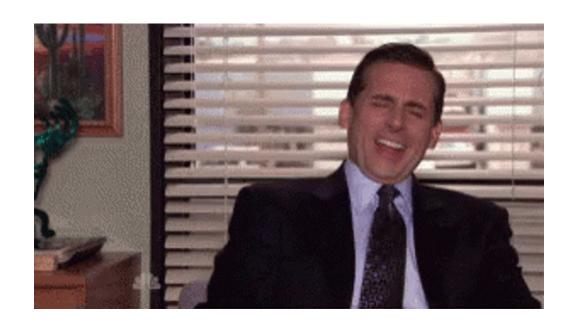
- 1. Redeploy + migration
- 2. Build scripts for existing environment always many questions...

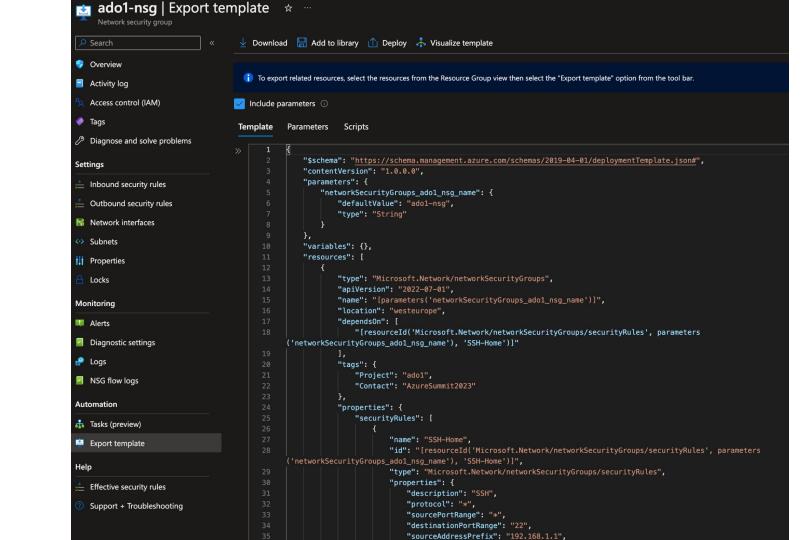
#### Non-time-consuming

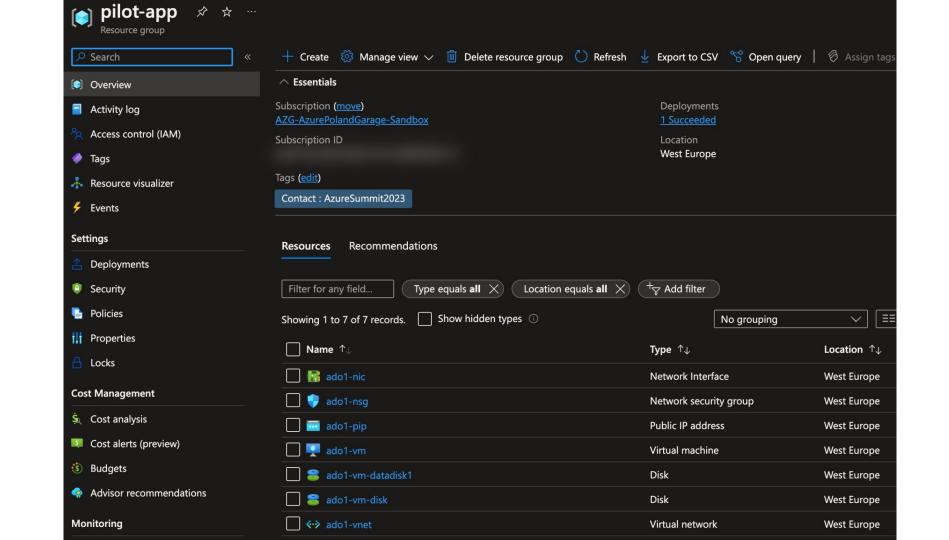
1. Reverse engineering



## **Export Templates - feature from Azure Portal**







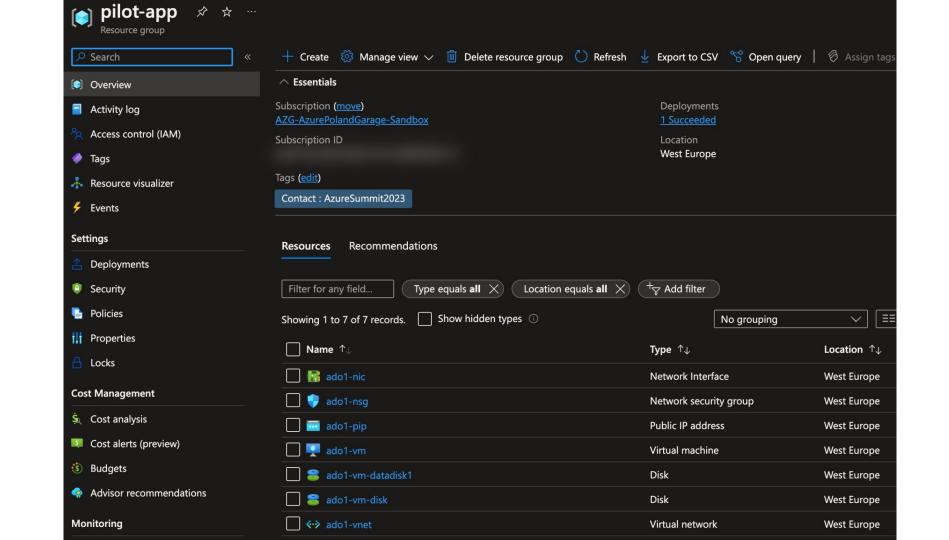


# **Example & DevOps**

basic project

# **Example**

- 1. Deployment VM in Azure
- 2. Export templates from Portal via PS
  - a. Convert to biceps
- 3. Export templates from VSC
- 4. Compare
- 5. Test deployment



/Users/piotr/Documents/Git/AzureSummit2023/export-by-powershell/nsg.bicep(3,55): Warning BCP081: Resource type "Microsoft.Network/networkSecurityGroups@2022-07-01" does not have types available.
/Users/piotr/Documents/Git/AzureSummit2023/export-by-powershell/nsg.bicep(5,13): Warning no-hardcoded-location: A resource location should not use a har d-coded string or variable value. Please use a parameter value, an expression, or the string 'global'. Found: 'westeurope' [https://aka.ms/bicep/linter/no-hardcoded-location]

/Users/piotr/Documents/Git/AzureSummit2023/export-by-powershell/nsg.bicep(14,13): Error BCP080: The expression is involved in a cycle ("networkSecurityG

/Users/piotr/Documents/Git/AzureSummit2023/export-by-powershell/nsg.bicep(36,55): Warning BCP081: Resource type "Microsoft.Network/network/SecurityGroups

/Users/piotr/Documents/Git/AzureSummit2023/export-by-powershell/nsq.bicep(54,5): Error BCP080: The expression is involved in a cycle ("networkSecurityGr

You may need to fix warnings and errors in the generated bicep file(s), or decompilation may fail entirely if an accurate conversion is not possible.

WARNING: Decompilation is a best-effort process, as there is no quaranteed mapping from ARM JSON to Bicep.

roups ado1 nsg name SSH Home" -> "networkSecurityGroups ado1 nsg name resource").

oups ado1 nsg name resource" -> "networkSecurityGroups ado1 nsg name SSH Home").

/securityRules@2022-07-01" does not have types available.

If you would like to report any issues or inaccurate conversions, please see https://github.com/Azure/bicep/issues.

#### Manually run by Piotr Rogala

Repository and version

pilot-app

Time started and elapsed

Today at 22:56

© 16m 10s

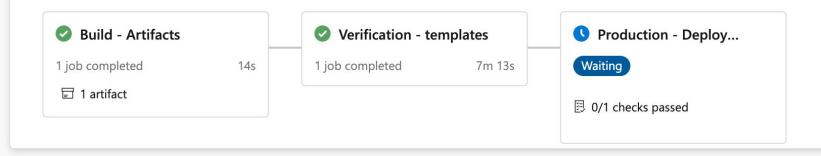
Related

🗅 0 work items

☐ 1 published

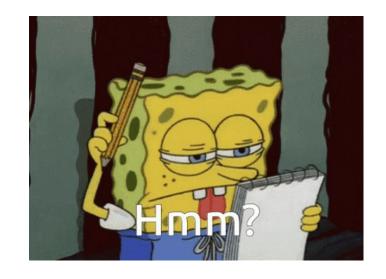
1 approval needs your review before this run can continue to Production - Deployment

**Stages** Jobs

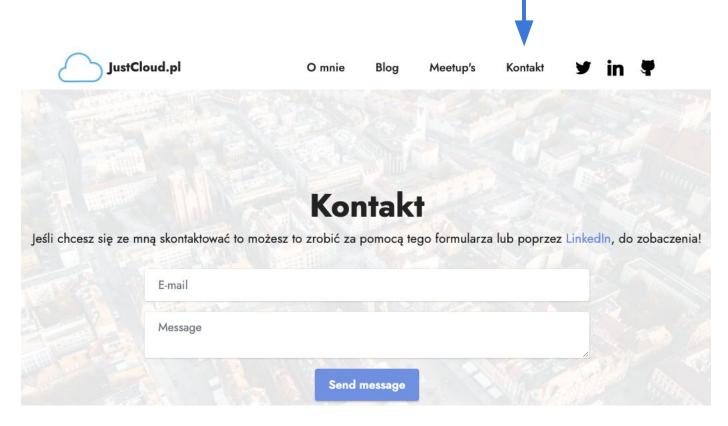


## Summary

- Possible to do...
- In organization large scale of resources deployed and a simple process to implement better practices
- OFC This is not the best solution
- Always start with the code



## **Questions?**





Q&A



