Azure DevTest Labs

Test environments made easy

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The most personal insurer in Switzerland at a glance

Nr. 1 in Switzerland for household contents, business and pure risk life insurance.
Founded in 1826

5334 employees
342 of which are trainees

160 locations
79 general agencies and their roughly 80 agency offices ensure that we are close to customers throughout the country.

Nine out of ten claims are settled locally and directly by our general agencies.

CHF 160 m
This is the amount we voluntarily remit to customers from our surplus fund.

24/7
Swiss Mobiliar’s 24 h Assistance service is available for customers around the clock, 365 days a year.

CHF 3.8 bn
We managed to raise the premium volume by 3.2% in the year under review.

CHF 440.5 m
Swiss Mobiliar once again posts an outstanding annual profit.

2 m
Private individuals and corporate customers place their trust in us.
Why Azure DevTest Labs?
Traditional infrastructure deployment

Unused capacity

Auto-scaled, on-demand Azure capacity
Test environments

- Check-in
- Build
- Test
- Release
Training / Education
Trial / Demo
Azure Lab Service vs. DevTest Labs
Azure Lab Service

Azure Dev/Test Labs

Azure Lab Services
# Dev Test Labs vs. Managed Labs

<table>
<thead>
<tr>
<th>Feature</th>
<th>DevTest Labs</th>
<th>Managed Labs</th>
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<tbody>
<tr>
<td>Management of Azure infrastructure in the lab.</td>
<td>You manage on your own</td>
<td>Automatically managed by the service</td>
</tr>
<tr>
<td>Built-in resiliency to infrastructure issues</td>
<td>You manage on your own</td>
<td>Automatically handled by the service</td>
</tr>
<tr>
<td>Subscription management</td>
<td>You manage on your own in your own Azure subscription. No auto-scaling of subscriptions.</td>
<td>Service handles allocation of resources within Microsoft subscriptions backing the service. Scaling is automatically handled by the service.</td>
</tr>
<tr>
<td>ARM deployment within the lab</td>
<td>Available</td>
<td>Not available</td>
</tr>
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</table>
Demo: Azure Lab Service
Getting started with DevTest Labs
Control your lab

- Access
- Images
- VM Sizes
- Number of VMs
- Auto-Start/Shutdown
- Virtual Networks
Demo: Control your lab
Automate deployments
Deploying apps
How to deploy?

- Marketplace provides Base Images
- Custom Images (create or upload)
- Add tools & software customizations via Artifacts
- Predefine dynamic images using Formulas
- Multi-Service environments using ARM templates
- Integrate into CI/CD tools like Azure DevOps (formerly known as Visual Studio Team Services)
Custom Images

Bright side:
- ♥ VM provisioning from a custom image is fast
- ♥ VMs created from a single custom image are identical.

Down side:
- • If you need to update some aspect of the custom image, the image must be recreated.
Artifacts
Formulas

Bright side:
♥ Changes in the environment can be captured on the fly via artifacts.
♥ Formulas can define default settings - such as VM sizes and virtual network settings.
♥ The settings saved in a formula are shown as default values, but can be modified when the VM is created.

Down side
• Creating a VM from a formula takes more time than creating a VM from a custom image.
Demo: Artifacts & Formulas
Environments

Use ARM templates to deploy solutions
• Deploy multiple resources repeatedly
• Can contain PaaS resources
• Appear in cost tracking
• No Auto-Shutdown for PaaS
CI/CD Pipeline Integration

DevTest Labs Tasks are build/release tasks for Azure DevOps which allow you to integrate with Azure DevTest Labs

- Create VM
- Create Custom Image
- Delete VM
- Create Environment
- Delete Environment

Azure DevOps has 240min/month of FREE cloud-hosted build agent time with Windows, Linux and Mac images, all available for cloud-powered build!
Power of Combo

- Auto-deploy VMs for Testers when releasing new build
- Use Artifacts and Custom Images together with Azure DevOps
Demo: Azure DevOps Integration
Why Azure Labs?
Why Azure Labs

❤️ Quickly be «ready to test»
❤️ Azure DevTest Labs service is free
❤️ Don’t worry about VNets, Resource Groups, etc.
❤️ Control dev/test environments with ease
❤️ Integrates with your existing toolchain
How to get started

- Azure DevTest Labs
  http://aka.ms/adt
- DevTest Labs Team Blog
  https://blogs.msdn.microsoft.com/devtestlab/
- DevTest Labs Documentation
  https://docs.microsoft.com/en-us/azure/devtest-lab/devtest-lab-overview
- DevTest Labs MSDN Forum
- Azure DevTest Labs artifacts, scripts and samples
  https://github.com/Azure/azure-devtestlab
Event partners

Microsoft

kapacity

Business Analytics

Expo partners

Crayon

solvo it

den rigtige løsning

Jabra

unit it

Expo light partners

GLAZE

everything intelligent

NEXTAGENDA

BUSINESS INTELLIGENCE LØSNINGER

SUPERUSERS

CTGlobal

PROACTIVE