



MS**Endpoint**Mgr

Get started with CloudLAPS Community Edition

About Nickolaj Andersen

Focus

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Certifications



Hobbies

PowerShell

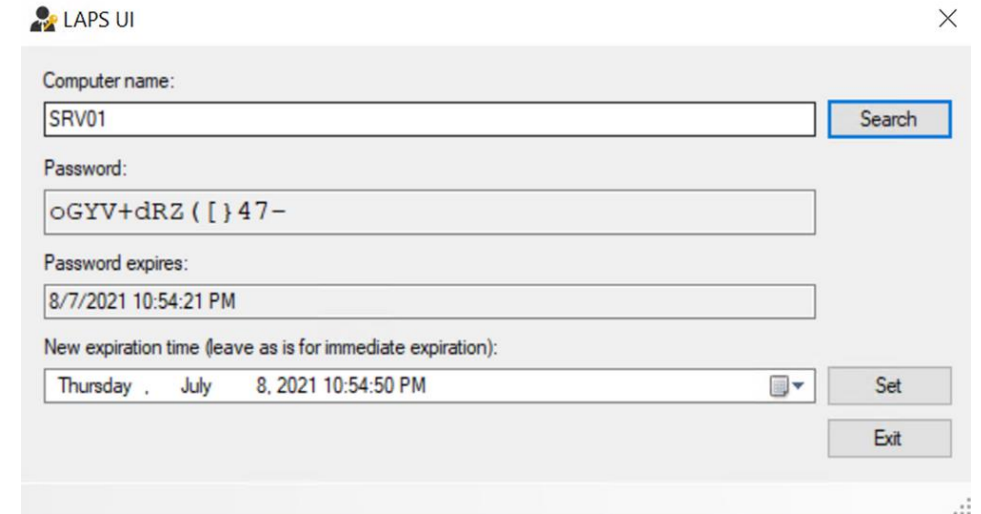
Contact

@NickolajA



What is LAPS?

- Short for Local Administrator Password Solution
- Addresses the problem of having a common administrator password
- Released in May 2015
- Built for Active Directory joined devices



Why would I need a LAPS solution?

- There are many reasons why:
 - Address the problem with a common password used everywhere
 - Create a local account as an administrator used as a break-the-glass account or by helpdesk teams
 - Passwords will be unique to the account on a specific device
 - Enforce complex passwords and rotate them on a schedule
 - Prevents attacker from compromising other device
- But what about cloud-only managed devices?

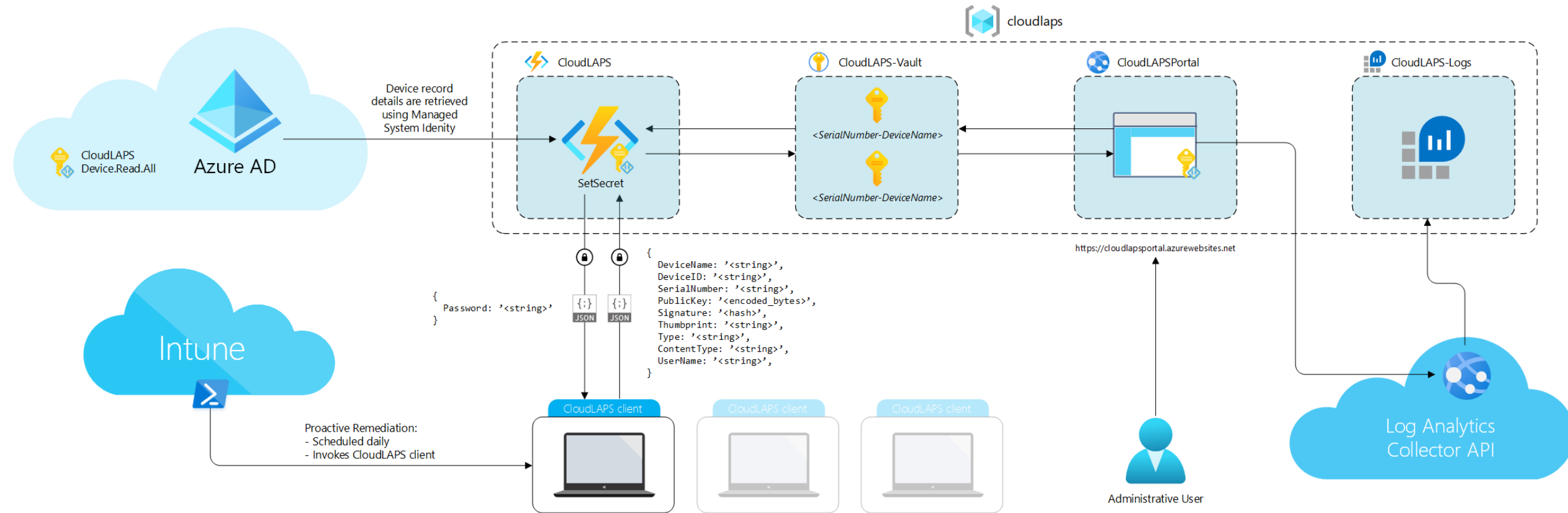


Introducing CloudLAPS Community Edition

- Cloud-native LAPS solution built on Azure
- Uses Intune and Proactive Remediations
- Supports Azure AD and hybrid Azure AD joined devices
- Passwords are safely stored in an Azure Key Vault
- Open source – anyone can contribute to it's development
- Free to use, licensed under MIT



CloudLAPS overview



Demo


Setup CloudLAPS Community Edition

Administrative experiences

- Built-in web based portal for password retrievals
- Selective users can be assigned access to the portal
- Portal access can be configured for Conditional Access
- Log Analytics workbook:
 - Monitor active devices rotating passwords
 - Detailed device specific events of password rotations
 - Portal sign-in and geo details



Administrative experience - Portal

 CloudLAPS [Home](#) [Search](#) [Privacy](#) nickolaj@ Sign out

Search for local administrator password

For physical devices, specify the serial number of a device to retrieve the local administrator password.
For virtual machines, specify the computer name instead.

Search for:

Computer name:	CLOUD-3941770
Serial number:	CLOUD-3941770
User name:	LocalAdmin1
Password:	P\$C5yy
Last update:	8/20/2021 2:45:25 PM +00:00

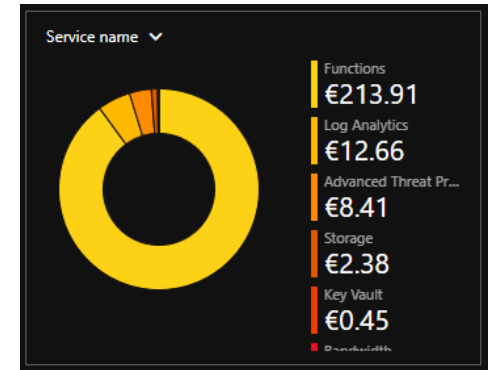


Demo

CloudLAPS analytics and monitoring

Considerations and guidance

- Either use the built-in administrator account or a custom
- Azure resource consumption
 - Begin with Consumption plan for Function App resource
 - 1-4.000 devices can use Consumption plan in production
 - 4.000+ should use minimum default recommendations
 - ~10.000 devices consumes around €250 / month
- Rotation
 - Proactive Remediation script schedule
 - Function App app setting UpdateFrequencyDays



Resources

- <https://msendpointmgr.com/cloudlaps>
- <https://github.com/MSEndpointMgr/CloudLAPS>
- <https://github.com/MSEndpointMgr/CloudLAPSPortal>



Q&A
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