

UBIQUITY 14.4 RELEASE

THE REMOTE ACCESS: SAFE, INTUITIVE, FLEXIBLE



@ASEM

A ROCKWELL AUTOMATION COMPANY

LOCAL WEB-BASED REMOTE DESKTOP

UBIQUITY 14.4

Feature

Access the remote desktop directly from a web browser over the local network.
View and mirror the HMI screen on smartphones, tablets, and Linux PCs.
Enables local, on-demand access without installing Tools

Benefits

- Access an HMI from any browser-enabled device (mobile, tablet, Linux PC) with no Tools required.
- Greater flexibility for operations and maintenance across OptixPanel* and PC runtimes



* Available for OptixPanel starting from the fw 7.0

DEVICE STATISTICS DASHBOARD

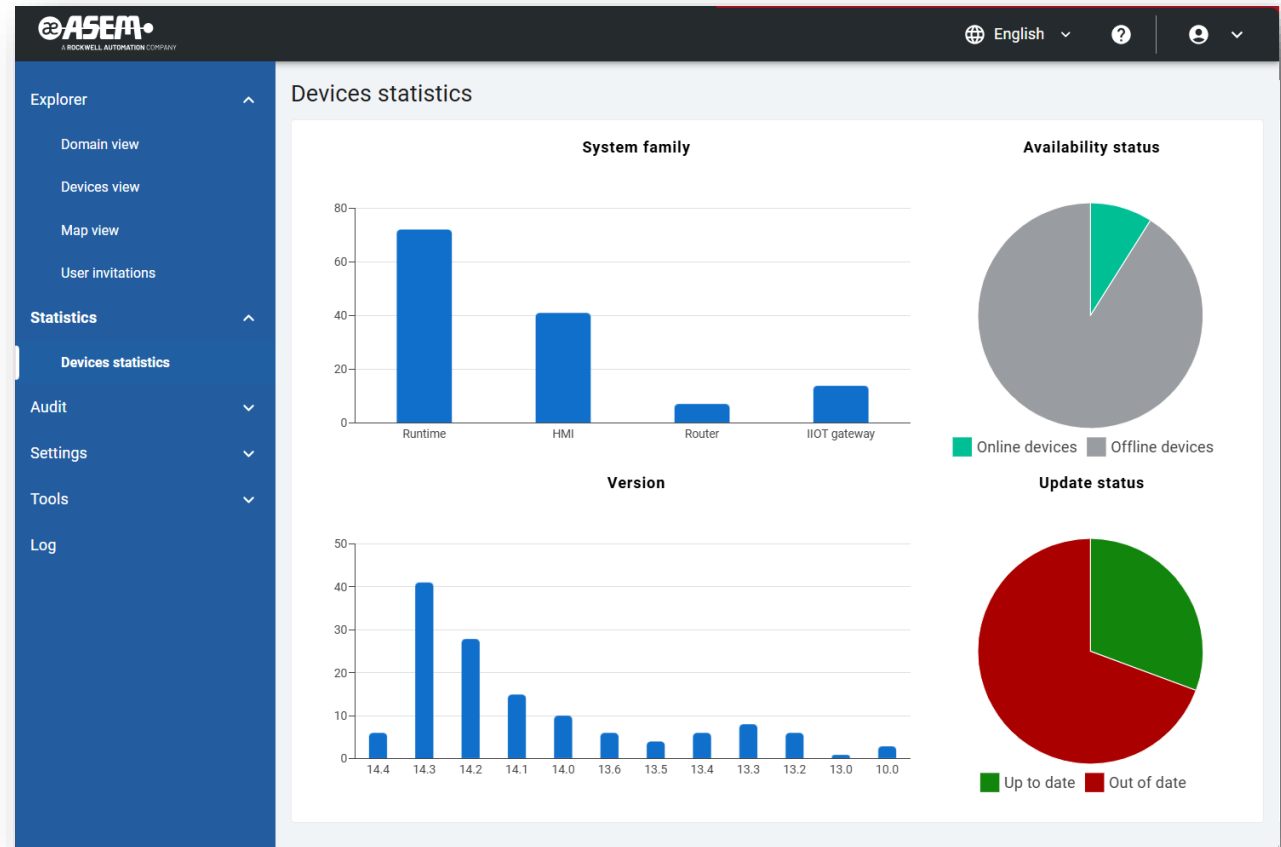
UBIQUITY 14.4

Feature

A new dashboard page to display statistics such as device type, version, and status information. This dashboard supports proactive management, giving users confidence, control, and clarity over their connected devices.

Benefits

- Instant visibility into connected devices, versions, and status
- Lower operational effort through centralized, at-a-glance insights



USB DEVICE CONFIGURATOR

UBIQUITY 14.4

Feature

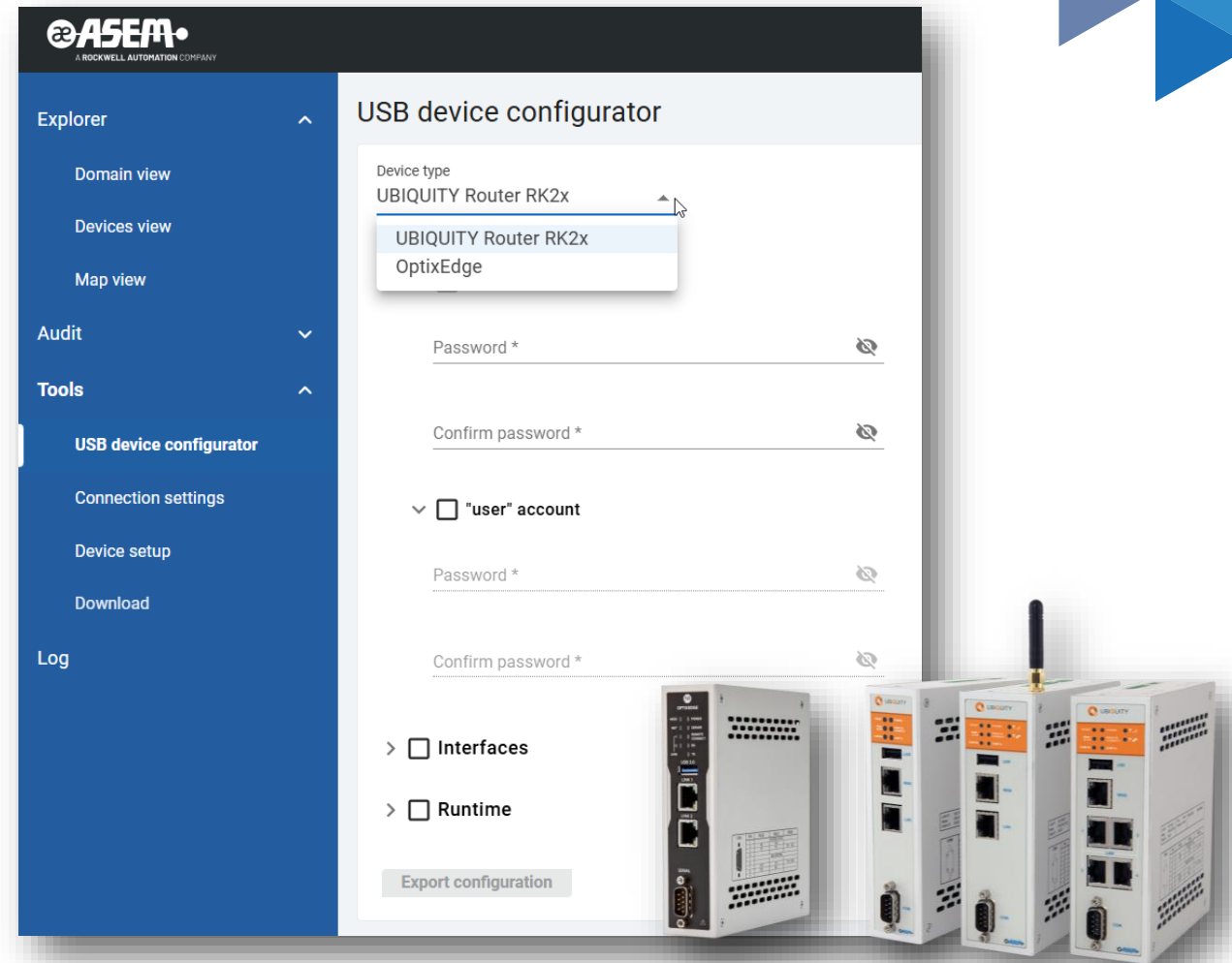
Enable device registration through USB stick utilizing System Manager's JSON configuration file.

Supported Devices

- at the beginning: RK2x* and OptixEdge*
- In the future: OptixPanel

Benefits

- Consistent, repeatable configuration using a standardized System Manager JSON file
- Reduced setup errors and effort for field and commissioning teams



* Available for OptixPanel starting from the fw 7.0

SIMPLIFIED CROSS-DOMAIN ACCESS: SINGLE EMAIL, MULTIPLE DOMAINS

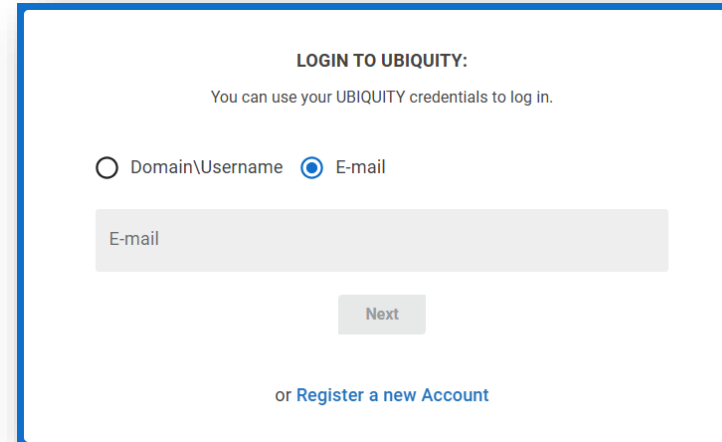
UBIQUITY 14.4

Enhancement

Users logging in with email/password can now access multiple domains. Selecting to access by email, UBIQUITY now prompts to type the target domain in addition to the email address, also supporting external authentication scenarios.

Benefits

- Simpler access across multiple domains using a single email identity
- Enables email login with 2FA also for multi-domain users
- Eliminates email aliases workaround previously required to access multiple domains



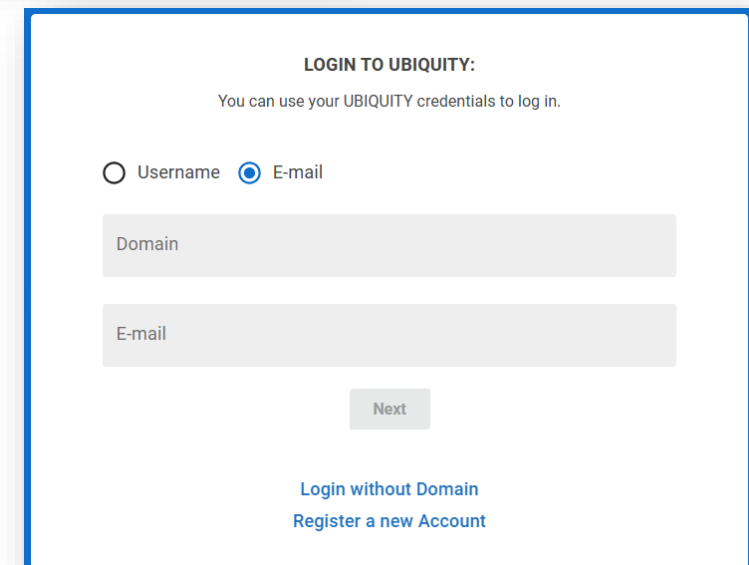
LOGIN TO UBIQUITY:
You can use your UBIQUITY credentials to log in.

☐ Domain\Username ☒ E-mail

E-mail

Next

or [Register a new Account](#)



LOGIN TO UBIQUITY:
You can use your UBIQUITY credentials to log in.

☐ Username ☒ E-mail

Domain

E-mail

Next

[Login without Domain](#)
[Register a new Account](#)

IMPROVED VPN THROUGHPUT

UBIQUITY 14.4

Enhancement

The virtual Ethernet adapter in UBIQUITY Tools has been enhanced.

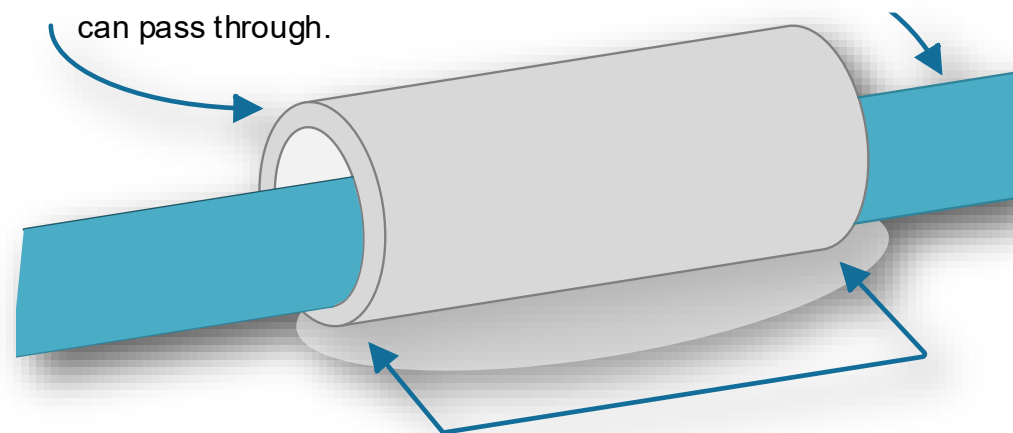
This results in a notable performance improvement, with average end-to-end throughput rising by about 150% compared to Tools version 14.3.

Benefits

- Faster data transfer, quicker session responsiveness and improved performance even when connecting across geographically distant endpoints.

Bandwidth – capacity of the link — the theoretical maximum amount of data that can pass through.

Throughput – the real amount of data that actually passes through.



Latency – the times it takes the data to pass through the link.

HIDDEN PARENT FOLDERS

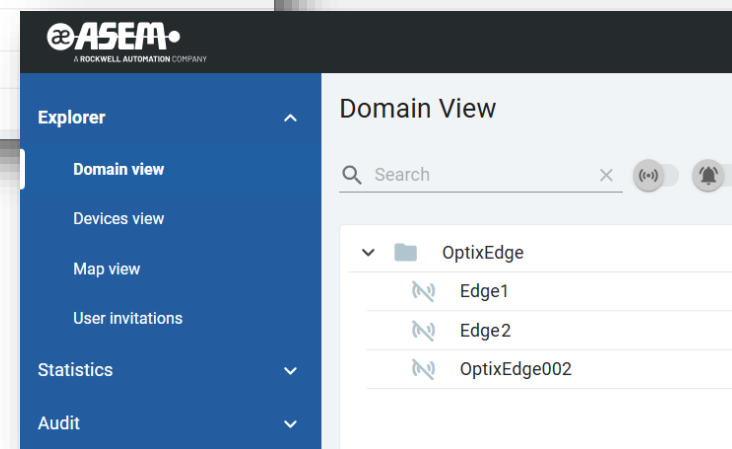
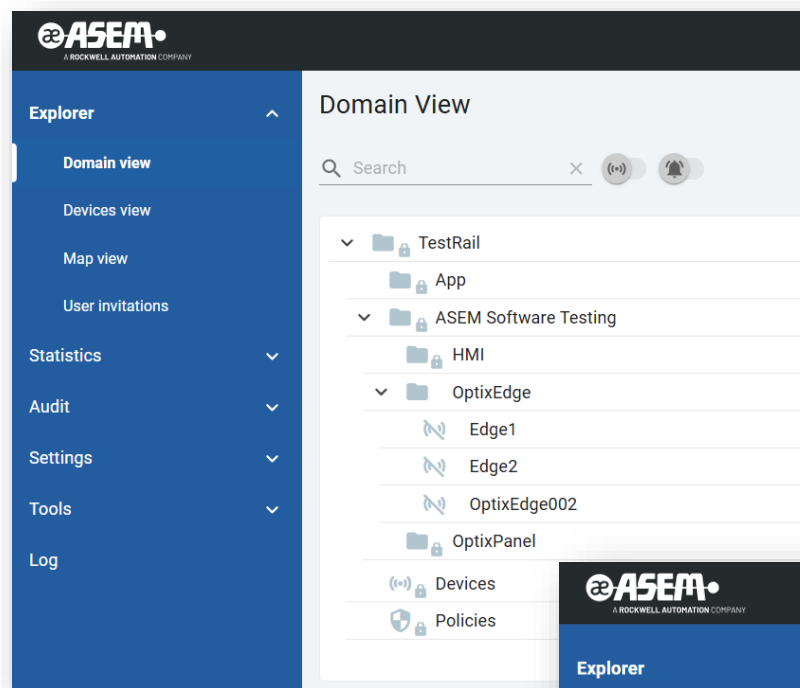
UBIQUITY 14.4

Enhancement

Parent folders within the domain view will now be hidden from subdomain users, displaying only the items they are permitted to access.

Benefits

- Improved security and isolation by ensuring users only see what they are authorized to access
- Cleaner, simpler user experience with reduced clutter in the domain view
- Lower risk of confusion or misconfiguration for subdomain users



IMPROVED MAC ADDRESS HANDLING

UBIQUITY 14.4

Enhancement

MAC address handling has been improved for consistent visibility across Domain View and Device View.

UBIQUITY now collects and displays only physical network interface MAC addresses for all supported devices, including x86 Runtime PCs, excluding virtual and bridge interfaces.

Benefits

- Consistent MAC visibility across all device types and views
- Enables accurate asset management, including x86 Runtime PCs
- Eliminates duplicates and virtual interfaces noise



The screenshot shows the UBIQUITY web interface with a top navigation bar containing 'Interactive Access (Web Only)' and 'VPN'. The main content area displays 'TEST016 - HT2200 Information' with a status of 'Online'. Below this, a table lists various network and system details.

Status	Online
Device IP Addresses	
Ethernet	169.254.161.62
Ethernet 2	172.19.17.43
Ubiquity VPN	10.8.0.1
	169.254.80.174
Public IP Addresses	93.62.67.178
MAC Addresses	00-12-CD-04-C6-AD 00-12-CD-04-C6-AE
UBIQUITY Runtime Version	14.4.0.83
Update Status	Up to date
Operating System	Windows 10

INFRASTRUCTURE & SCALABILITY IMPROVEMENTS

UBIQUITY 14.4

Enhancement

Multiple upgrades were implemented to enhance infrastructure:

- Enhanced scalability of the Access Server
- Updated the Relay Server
- Transitioned to TLS 1.3

Benefits

- Better performance and resilience through updated Access and Relay Servers
- Stronger security posture with modern encryption via TLS 1.3



UBIQUITY PRIVATE SERVER MOVES ON KUBERNETES

UBIQUITY PRIVATE SERVER 14.4

Enhancement

- The current solution is based on a single setup for Windows OS
- usually installed in a Virtual Machine (VM)
- we moved to a Kubernetes-based container solution

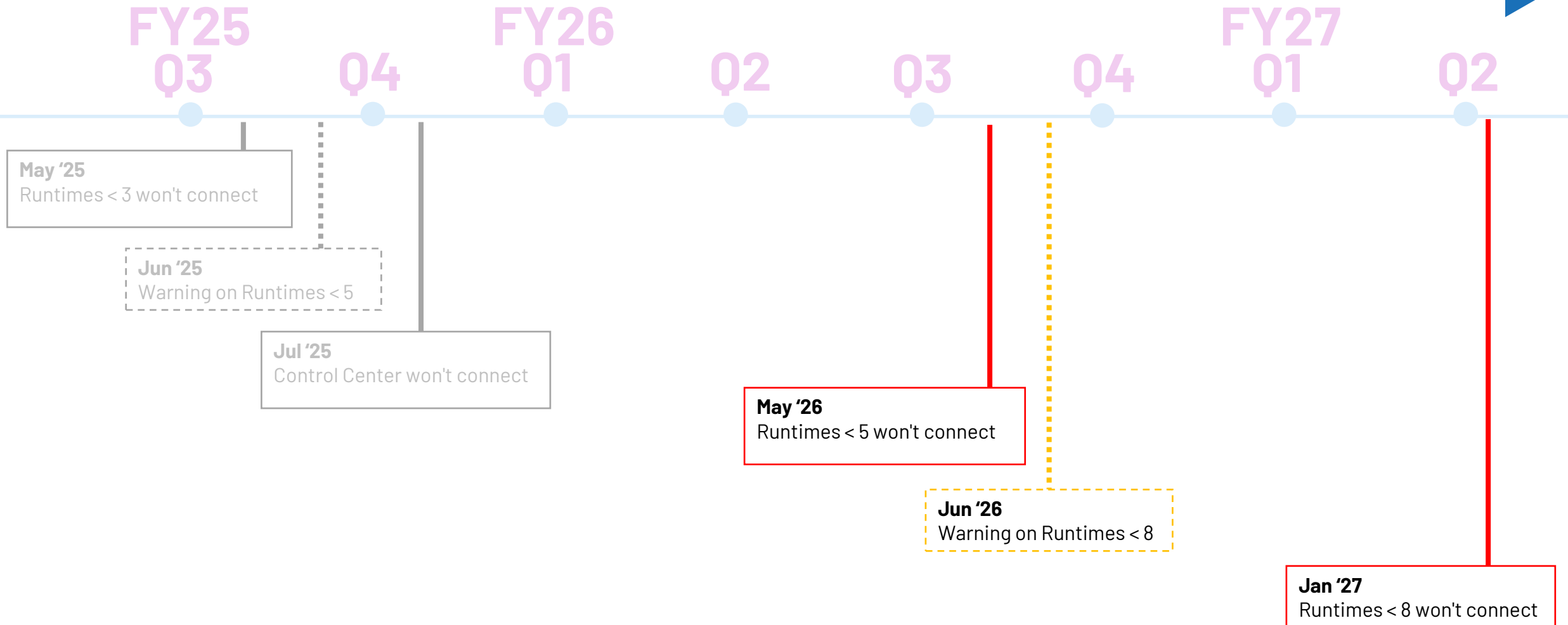
Benefits

- No more Microsoft Windows license needed
- Separated services/containers: Access Server, Relay Server, WebAPI, Web Frontend, SQL Database...
- Lower operational costs
- Faster and more flexible deployment and updates
- Centralized monitoring and logging
- Optionally leverage on managed kubernetes services from major cloud providers like Amazon (AWS), Google (GKE), and Microsoft (Azure)



kubernetes

RUNTIME DISCONTINUATION SCHEDULE





THANK YOU



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