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AVEVA™ Mobile Operator 2020R1 installation and configuration

Ezequiel Vedoya



AVEVA Mobile Operator 2020 R1 – Installation & Configuration

Overview

- AVEVA Mobile Operator Database / Database Script.
- Adding Mobile Operator Users and assigning MO Roles.
- AVEVA Mobile Operator Components.
- License Server, SMS and Mobile Operator (Configurator).
- AVEVA Enterprise Licensing and License activation (*.xml).
- Certificates (types, export and import).
- Q & A.



System Requirements

Before starting an Installation or an Upgrade, **always**, check first the “System Requirement User’s Guide” to make sure you have a supported environment.

Database Server

- SQL Server 2019, 64 bit (Standard or Enterprise)
- SQL Server 2017, 64 bit (Standard or Enterprise)
- SQL Server 2016, 64 bit (Standard or Enterprise)
- SQL Server Reporting Services 2019, 64 bit (Standard or Enterprise)
- SQL Server Reporting Services 2017, 64 bit (Standard or Enterprise)
- SQL Server Reporting Services 2016, 64 bit (Standard or Enterprise)

Mobile Operator Server

- Server 2019, 64 bit (Standard or Data Center)
- Server 2016, 64 bit (Standard or Data Center)

Servers also require the following:

- .NET Framework 4.8
- MSOLEDBSQL driver for TLS 1.2 connection for both client and Server installs .

Desktop Client (IMC)

- Windows 10
- Windows 11

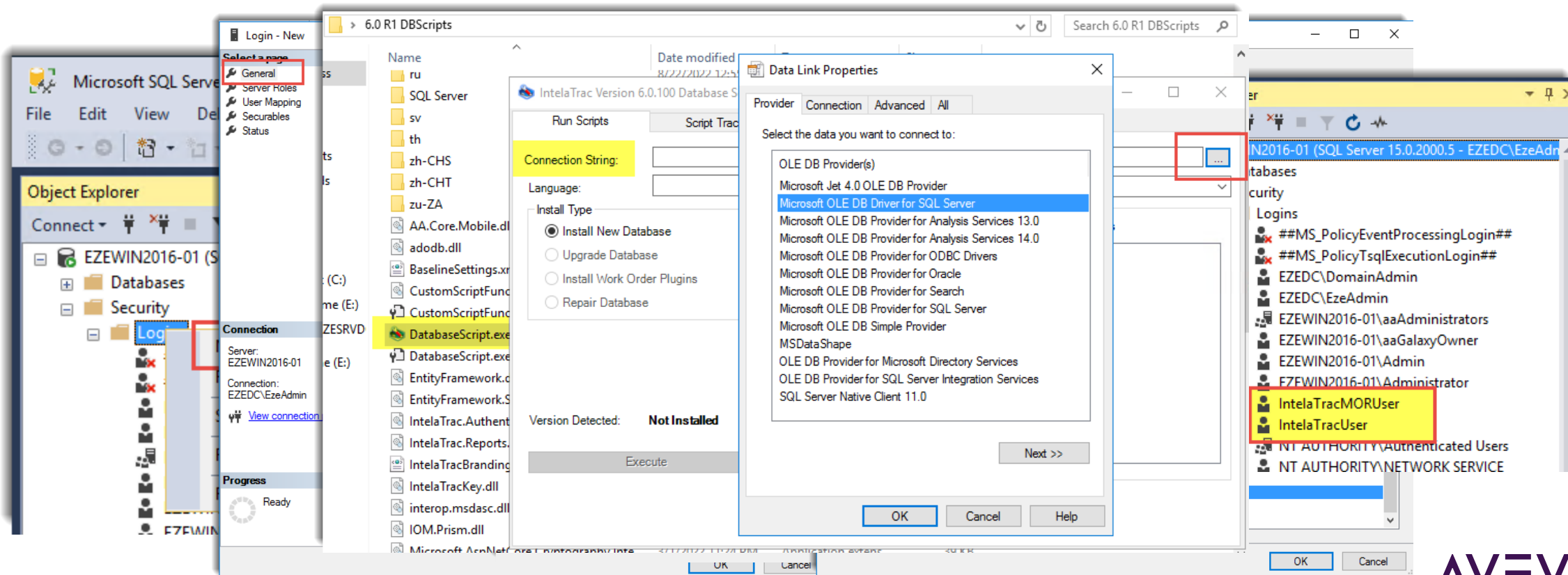
Mobile Devices (App)

- [Android](#)
v 8.0, v8.1, v 9.0, v10, & v11.
- [Windows](#)
Windows 10 (Version 1809) and above.
Windows 11 (Version 21H2) and above.
- [iOS](#)
iOS 14.8 and iOS 15

Installing or Upgrading AVEVA Mobile Operator Database.

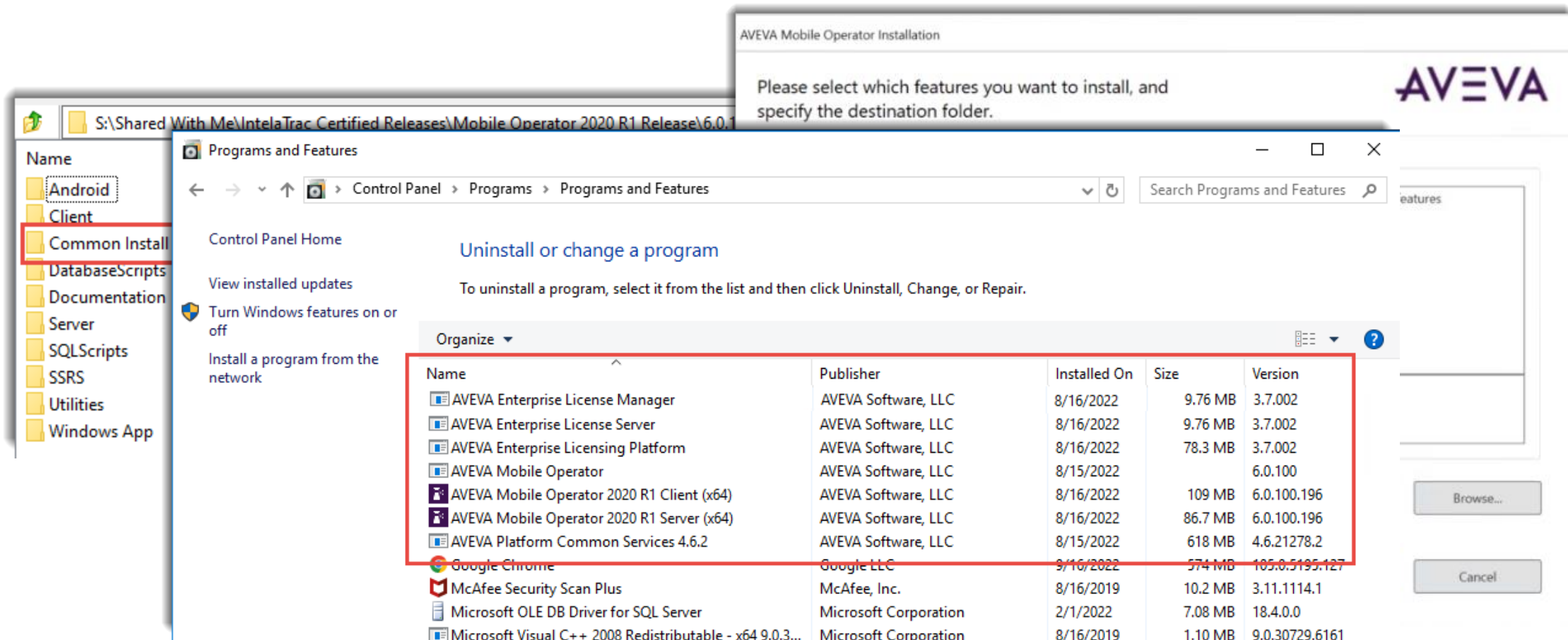
Creating Database Users and Roles.

- When you run the Database script after the upgrading or installing the application, two (2) roles are generated by default, “**MorServerRole**” and “**IntelaTracRole**”. You need to now create two users and assign them to the roles.

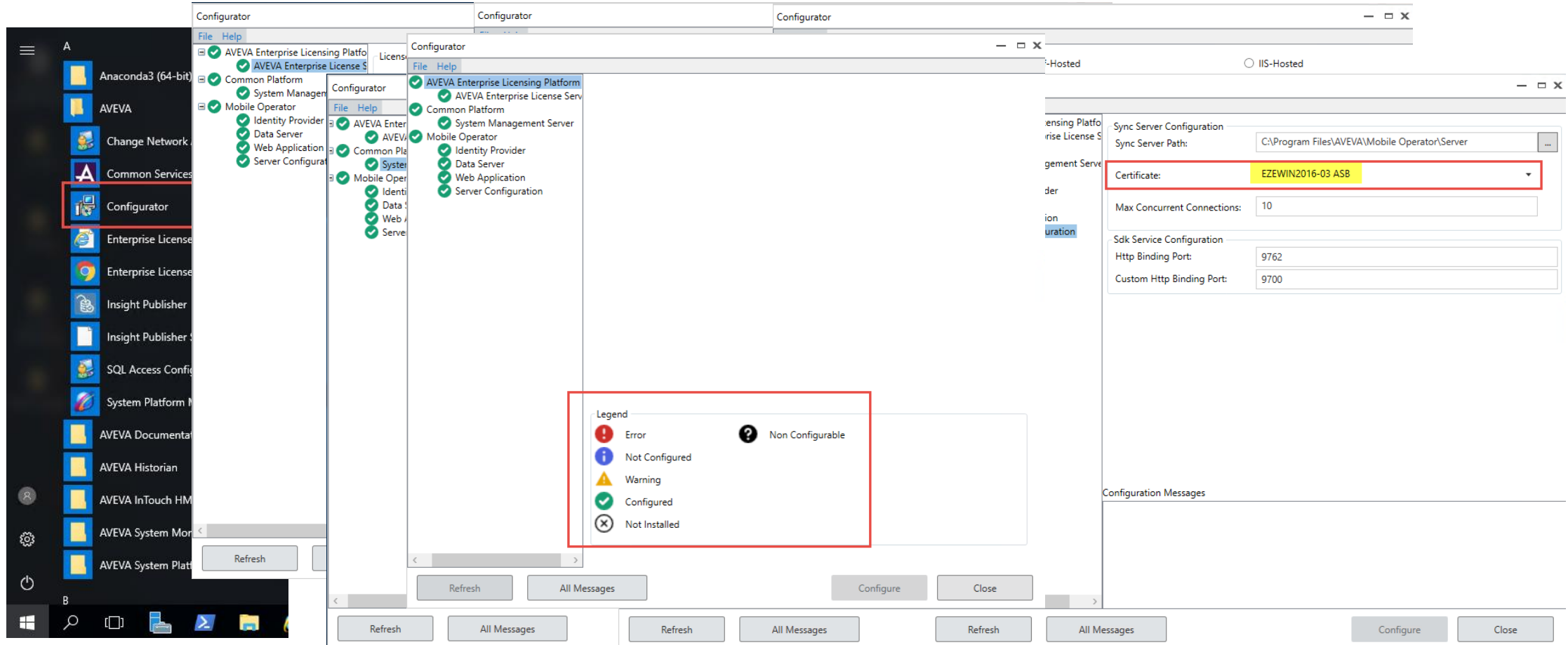


Installing or Upgrading AVEVA Mobile Operator Components

Mobile Operator (PCS), License Manager/Server, MO Client, MO Sync Server & Mobile App.

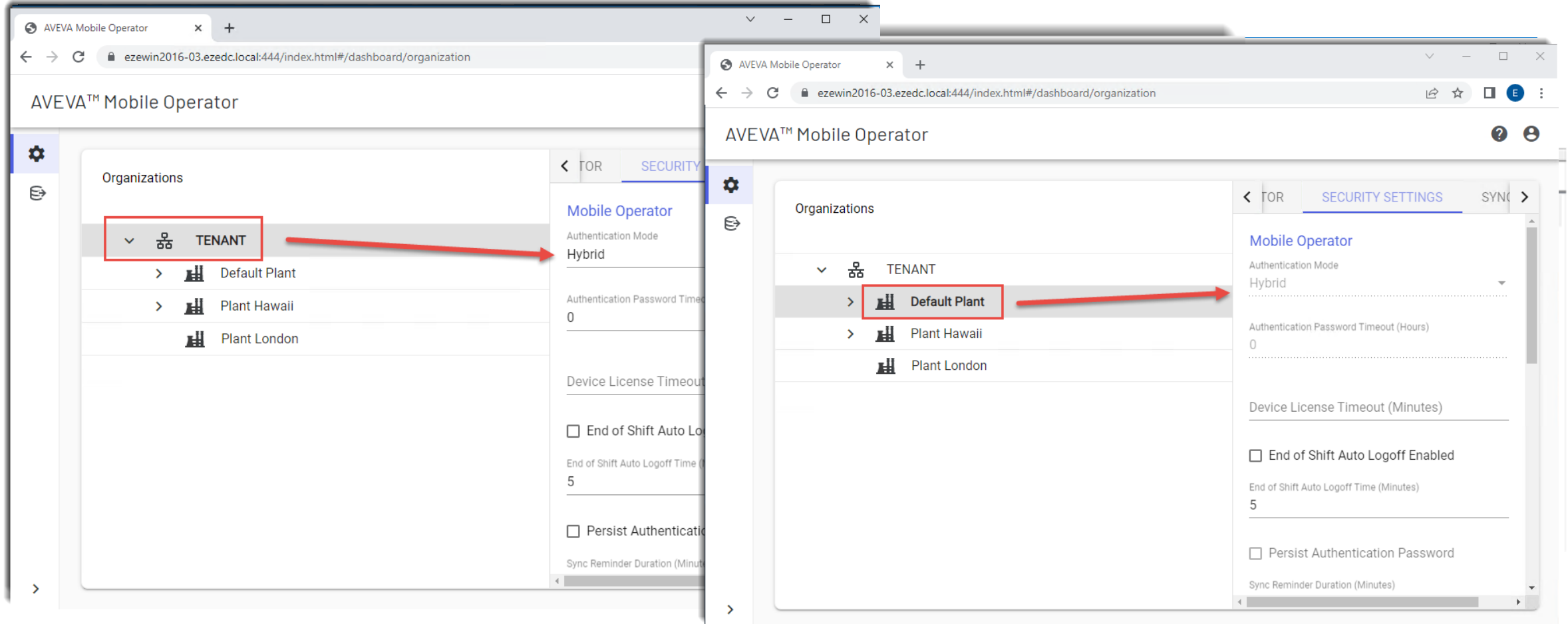


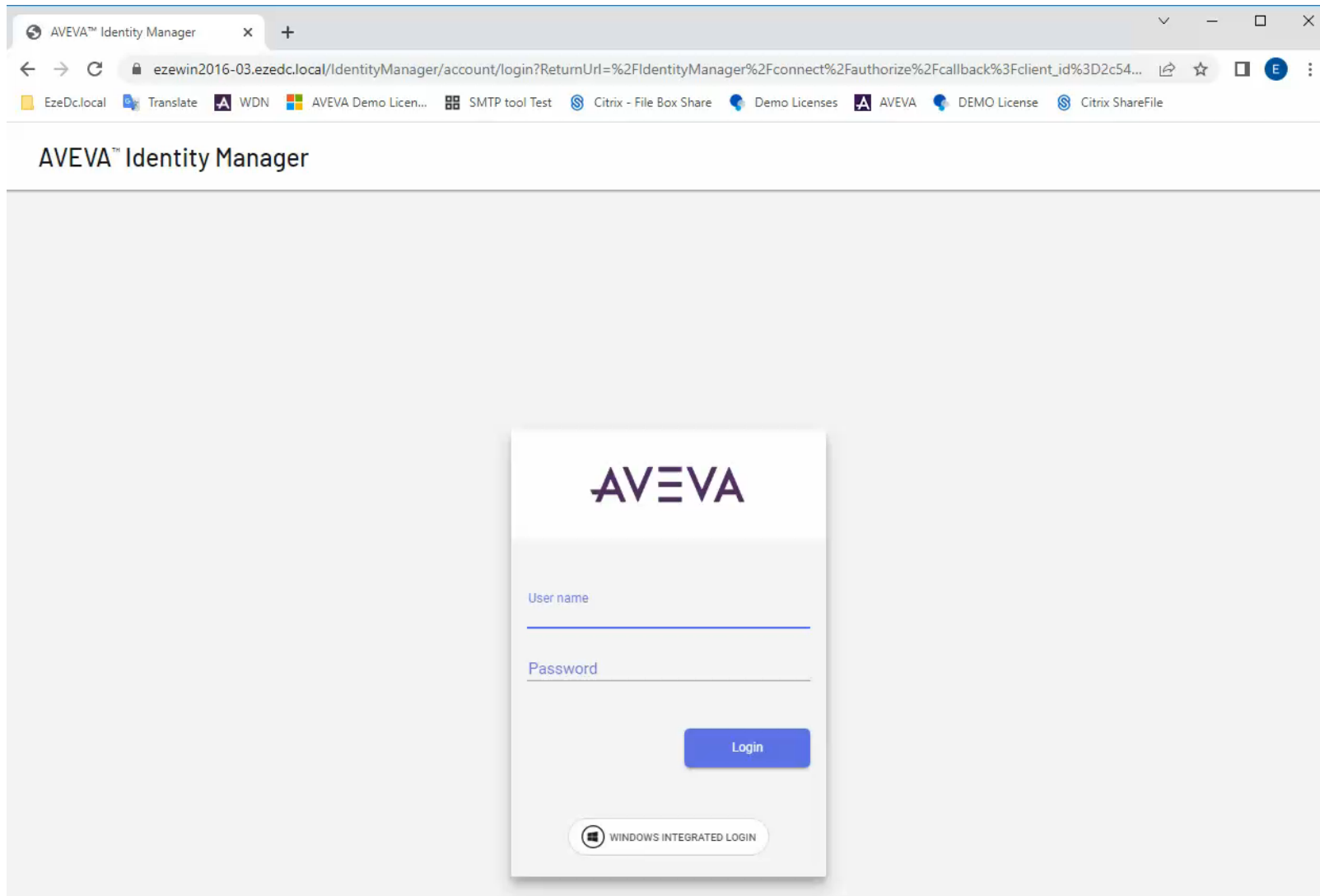
System Management Server (SMS) and AVEVA Mobile Operator Configuration



AVEVA Mobile Operator – System Configuration

AVEVA Identity Manager Portal

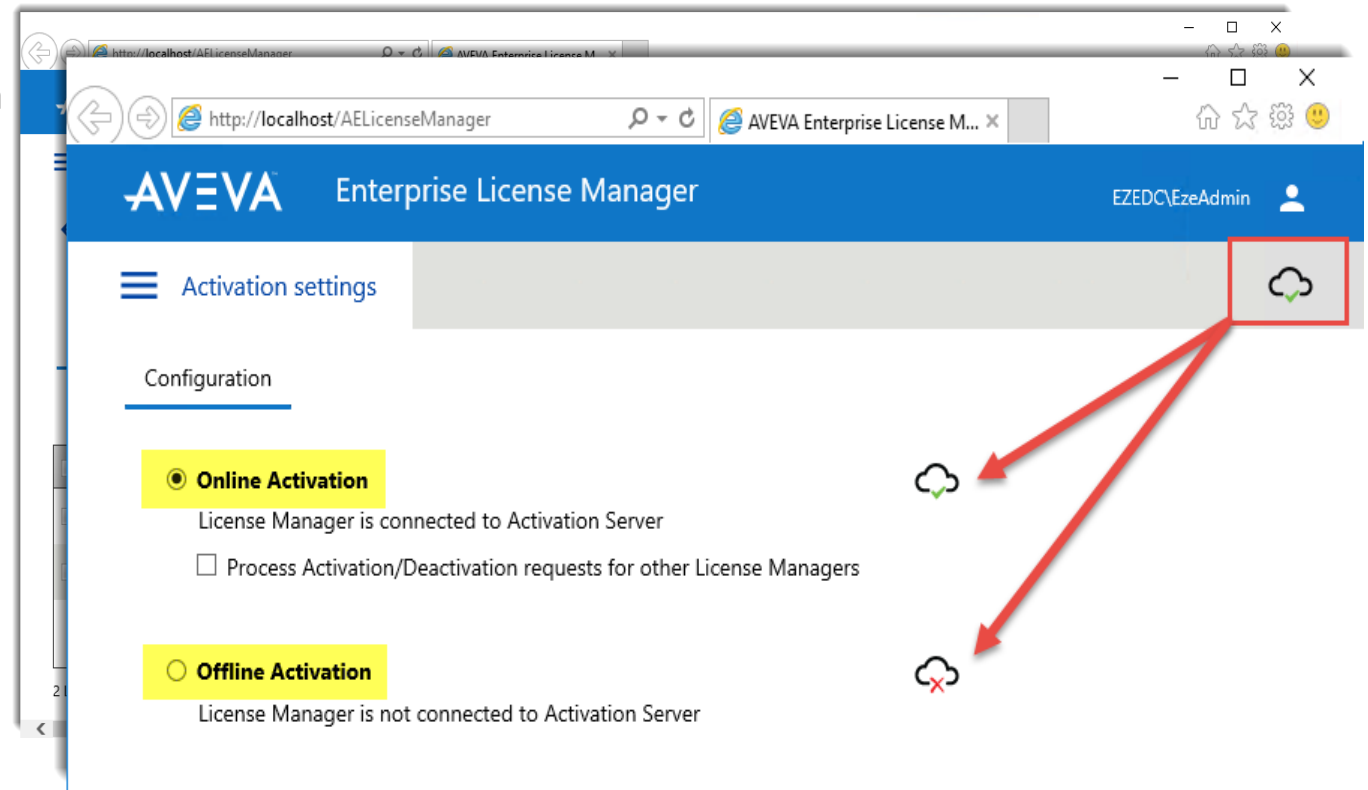




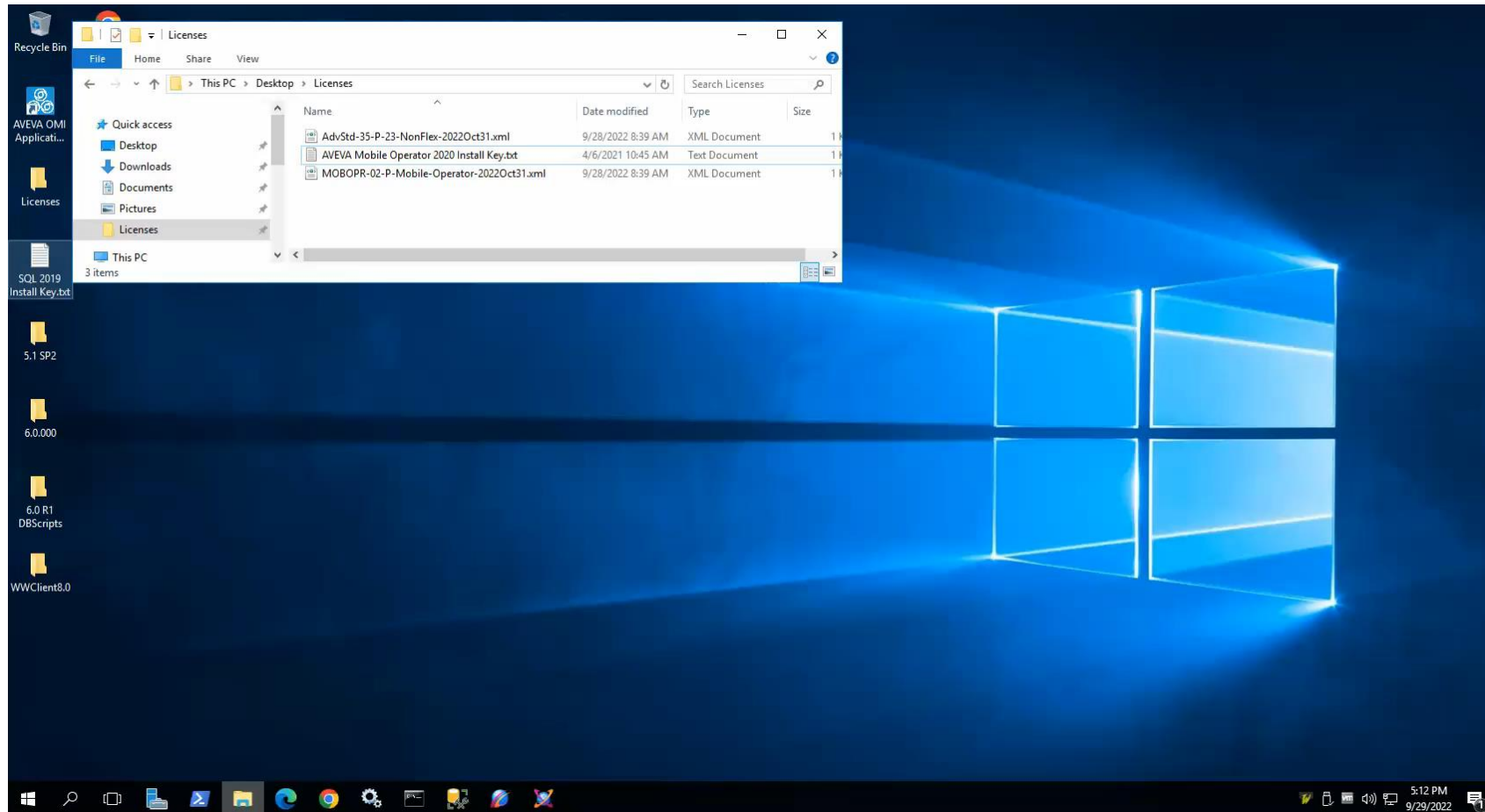
AVEVA Enterprise Licensing (Manager & Server)

License Manager / License Server – Activation.

- It's a common platform that allows you to manage AVEVA product licenses. (MOR, System Platform, MES, Insight, CDP, etc.)
- It's composed of a **License Manager** (web-based) and a **License Server**, that together allow you to share and deliver licenses for your installed products.
- The license activation is through the “AVEVA Activation Server” hosted in a Cloud Server. This connection is temporarily. Only during the activation process.
- There are two type of activation: (1) Online Activation or (2) Offline Activation.



AVEVA Mobile Operator License Activation



Certificates

Type of Certificates

- Self-Signed (SSL) Certificate is a digital certificate not signed by any publicly trusted Certificate Authority (CA). Self-Signed certificates are created, issued, and signed by the organization responsible for the website or the signed software.
- Certificate Authority (CA) Certificate is a trusted organization that issues digital certificates for websites and other entities. The main goal of a CA is to verify the authenticity and trustworthiness of a website, domain and organization so users know exactly who they're communicating with online and whether that entity can be trusted with their data.

FEATURE	SELF-SIGNED CERTIFICATE	CA SIGNED CERTIFICATE
General Usage	Testing Sites	Public-Facing sites
Price	Free	Fee based
Website Types	Intranet, Dummy and QA (Quality Analysis) Sites	Payment Portals and Private Data
Consumer Trust	Less Trusted	More Trust
Browser Response/Warning	Certificate Error Displayed	No Error Displayed
Search Engine Response	Fishy	Trusted
Server Impersonation	Easy	Difficult
Control	Self	Authorized Third Party
URL	HTTPS with Warning	HTTPS without Warning
Issuing Firms	Anyone	Verisign, IdenTrust, DigiCert, etc.



Certificates

Location

The screenshot illustrates the process of configuring certificates in the AVEVA Configurator. It shows three overlapping windows:

- Configurator**: The main application window with a sidebar containing various configuration options like 'AVEVA Enterprise License', 'Common Platform', 'System Management', 'Mobile Operator', 'Identity Provider', 'Data Server', 'Web Application', and 'Server Configuration'.
- Advanced Configuration**: A dialog box for configuring certificates. It includes a 'Certificate Source' dropdown (set to 'Automatically Generated') and a 'Certificate' dropdown (set to 'Provided by IT Department'). It also has sections for 'Ports' (HTTP Port: 80, HTTPS Port: 443) and a 'Ports' section for selecting the appropriate port to use.
- Console1 - [Console Root\Certificates (Local Computer)\Personal\Certificates]**: A file explorer window showing the hierarchy of certificates. The 'Personal' folder is expanded, showing 'Certificates', 'Trusted Root Certification Authorities', 'Enterprise Trust', 'Intermediate Certification Authorities', and 'Trusted Publishers'.
- Certificate**: A dialog box showing the 'Certification Path' tab. It displays a list of certificates with columns: 'Issued To', 'Issued By', 'Expiration Date', and 'Intended Purposes'. The 'EZEWIN2016-03 ASB CA' certificate is selected, and its path is shown in the 'Certification path' field.

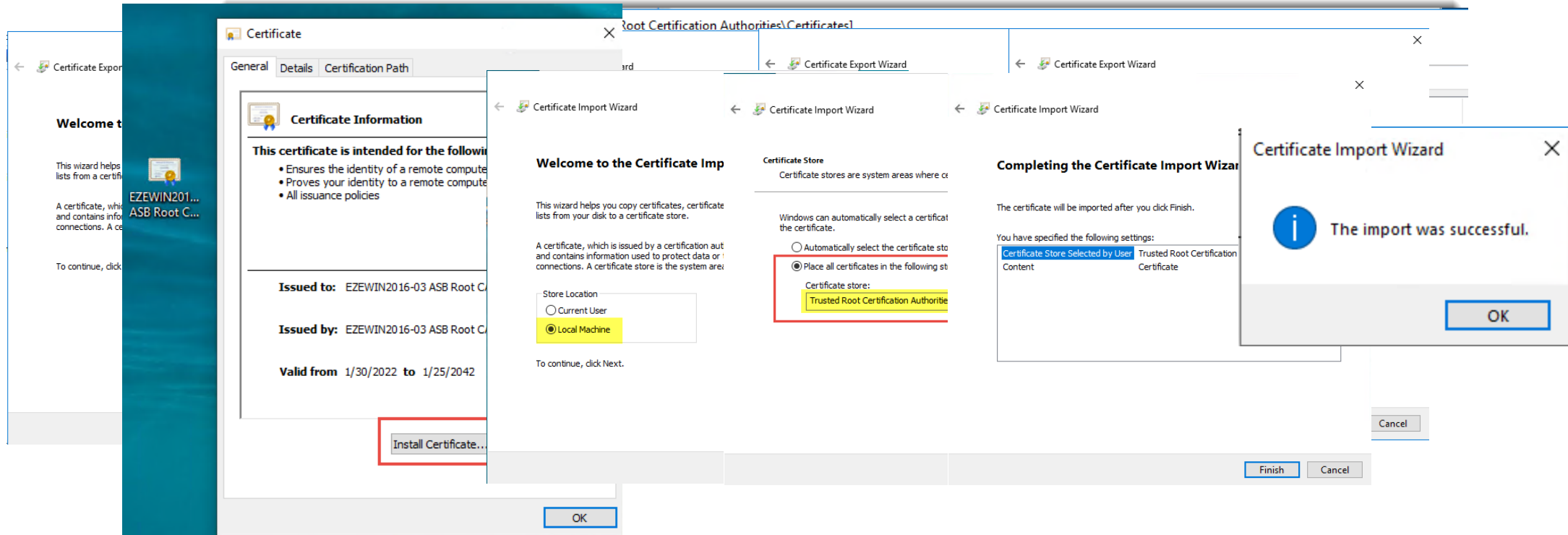
Issued To	Issued By	Expiration Date	Intended Purposes
EZEWIN2016-03	EZEWIN2016-03 ASB CA	9/12/2024	Server Authentication
EZEWIN2016-03 ASB OPC UA Server	EZEWIN2016-03 ASB OPC UA Server	1/28/2025	Server Authentication
Token Signing			<All>

The 'Certification path' field in the 'Certificate' dialog shows the following path:

```
EZEWIN2016-03 ASB Root CA
└─ EZEWIN2016-03 ASB CA
    └─ EZEWIN2016-03 ASB
```

Certificates

Export & Import



- [TN000032888: “How to apply MOR server's certificate on the mobile device \(Android & iOS\)”](#)

Ezequiel Vedoya

Principal Customer Support Engineer



AVEVA Group

ezequiel.vedoya@aveva.com

+1 (800) 966-3371



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Over 20,000 enterprises in over 100 countries rely on AVEVA to help them deliver life's essentials: safe and reliable energy, food, medicines, infrastructure and more. By connecting people with trusted information and AI-enriched insights, AVEVA enables teams to engineer efficiently and optimize operations, driving growth and sustainability.

Named as one of the world's most innovative companies, AVEVA supports customers with open solutions and the expertise of more than 6,400 employees, 5,000 partners and 5,700 certified developers. With operations around the globe, we are headquartered in Cambridge, UK and listed on the London Stock Exchange's FTSE 100.

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