Infrastructure Training Lesson 5 Recap

Security considerations

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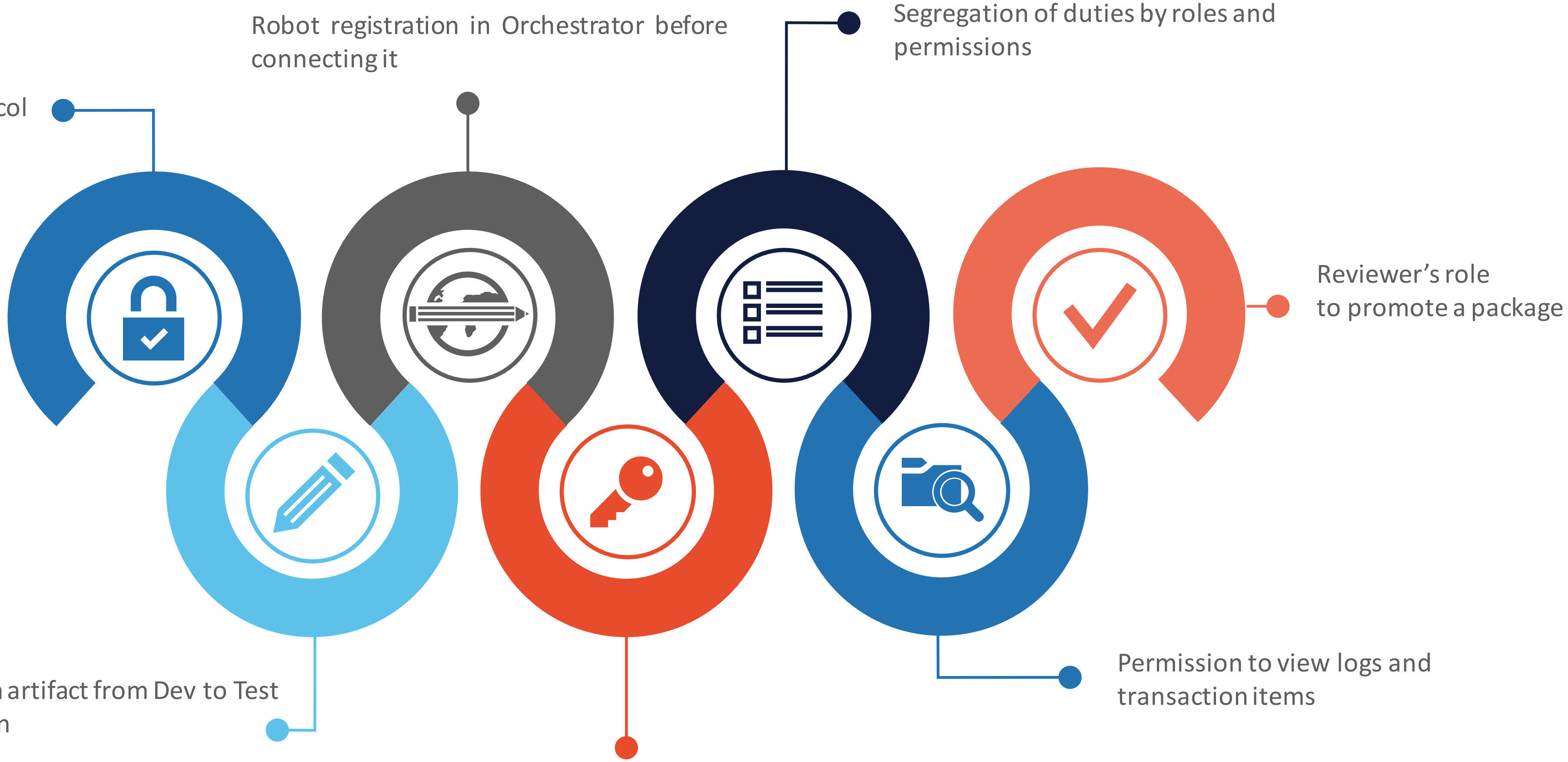
Security features implemented in UiPath products



HTTPS protocol

Robot registration in Orchestrator before connecting it

Segregation of duties by roles and permissions

Reviewer's role to promote a package

Copy automation artifact from Dev to Test and to Production

Hardened security of encrypted passwords by using a different IV

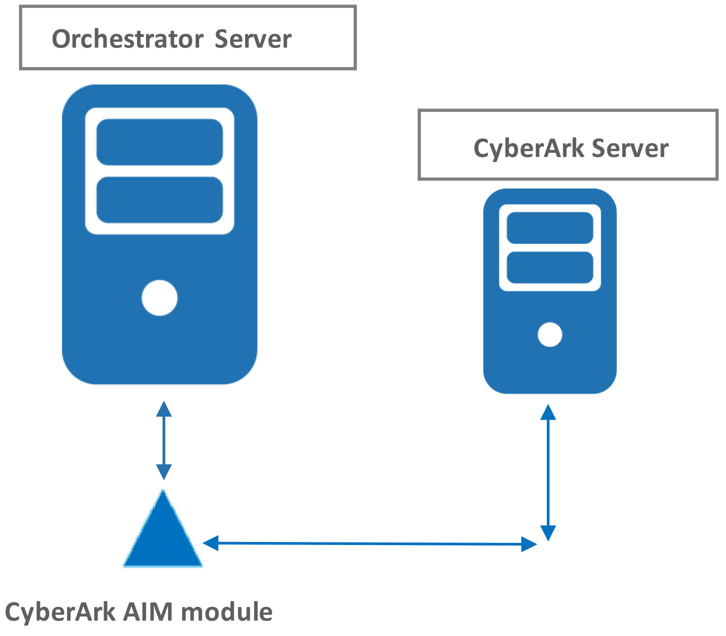
Permission to view logs and transaction items

Integration with CyberArk

Robots passwords can be maintained in CyberArk instead of Orchestrator's own SQL Server Database

Orchestrator will use an intermediary module – Application Identity Manager (AIM) from CyberArk – to request passwords from CyberArk Server

Orchestrator receives the password unencrypted and sends it to the robot using the secure https channel



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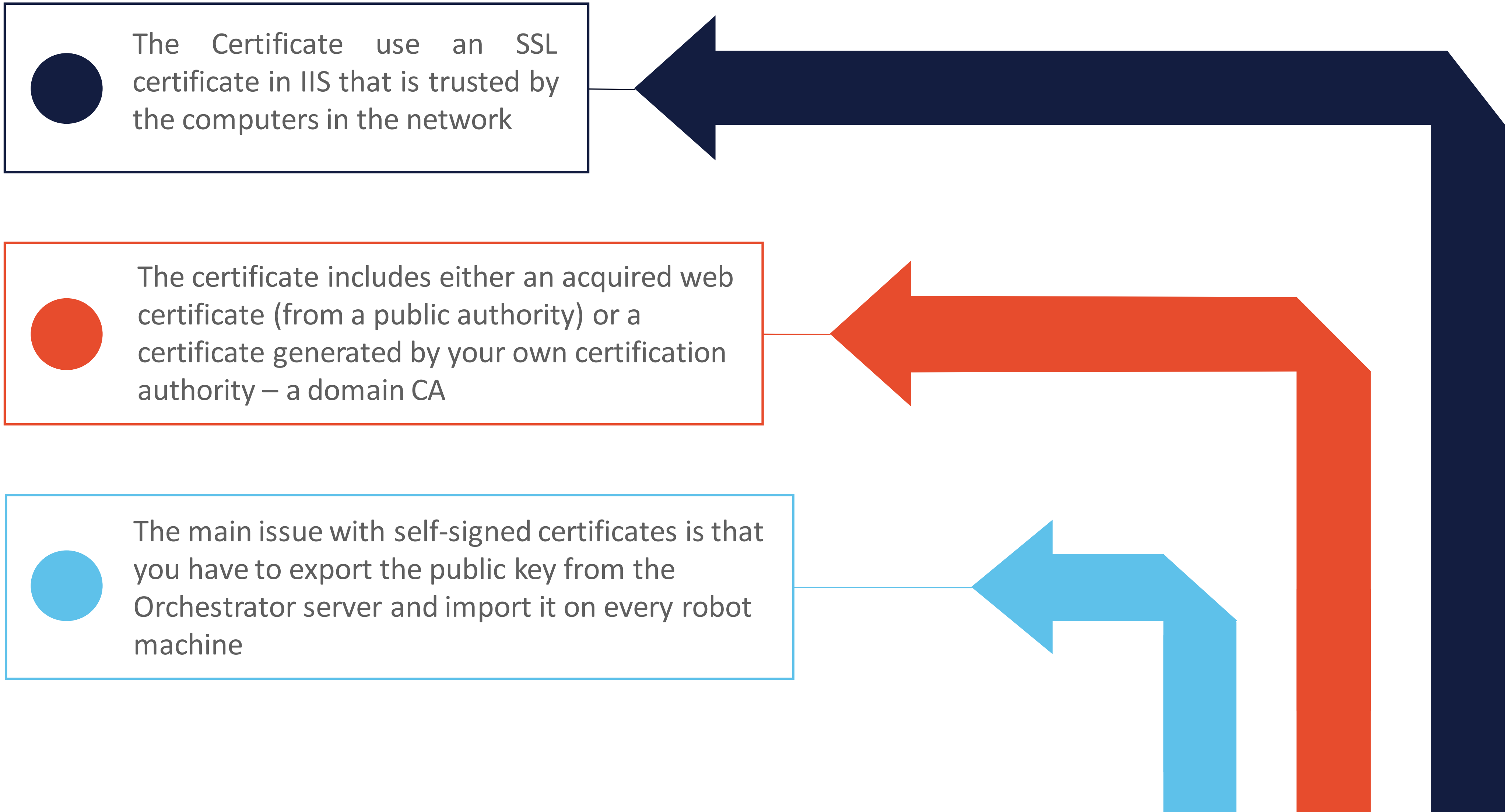
Trusted SSL certificates

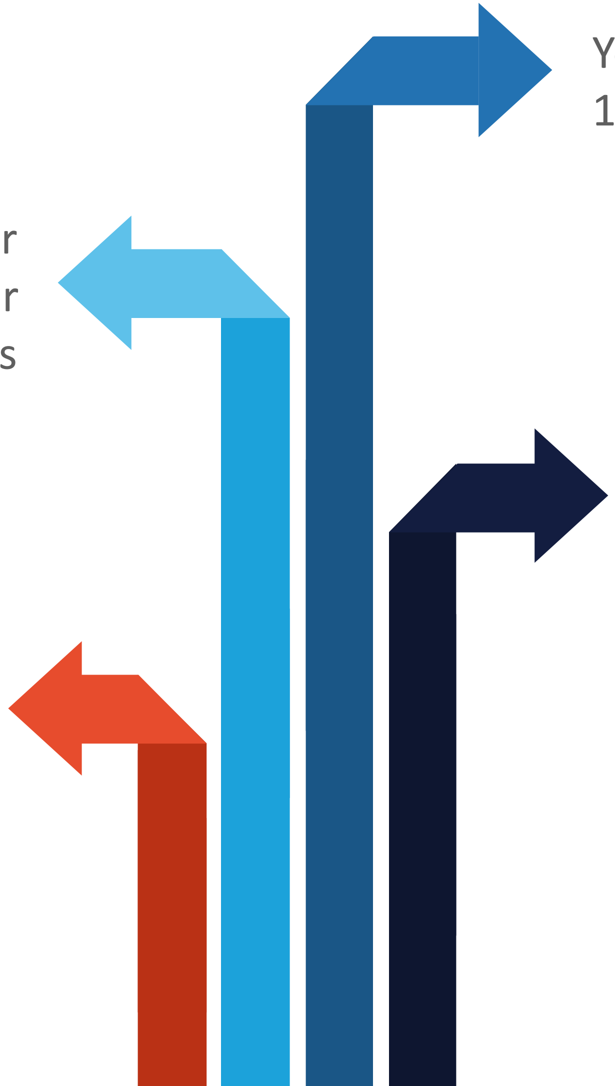


● The Certificate use an SSL certificate in IIS that is trusted by the computers in the network

● The certificate includes either an acquired web certificate (from a public authority) or a certificate generated by your own certification authority – a domain CA

● The main issue with self-signed certificates is that you have to export the public key from the Orchestrator server and import it on every robot machine

TLS 1.2 protocol



Disable SSL 2.0, 3.0 protocols

Keep only TLS 1.2, our products don’t need older protocols

You can also disable TLS 1.0 and 1.1

See the document attached to this lesson on how to disable unsecure protocols

Cloud deployment

Orchestrator deployed in the cloud needs to be reachable by robots on-premises

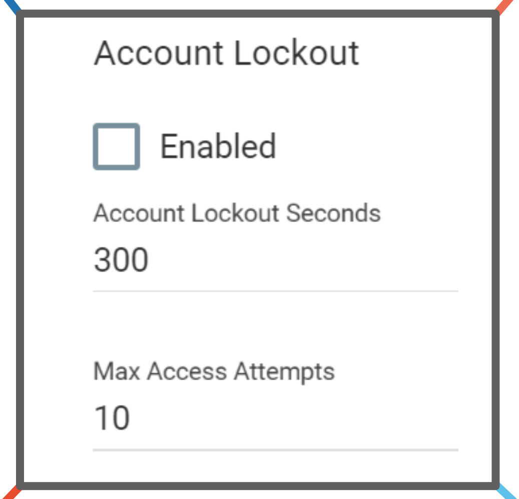
Do not expose Orchestrator in the Internet

Create a VPN between the Robot’s network and Orchestrator’s network (cloud)

Account lockout

Account lockout is not enabled by default

If a user tries to log in with a wrong password for more than “Max access attempts” times, the account will be locked



Account Lockout

□ Enabled

Account Lockout Seconds

300

Max Access Attempts

10

Automatic unlock occurs after “Account Lockout Seconds”

A user with EDIT permission on users can unlock the account

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Thank you!

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