SECURE AND AUTHORIZED ACCESS OF APPLICATION CREDENTIALS FOR NICE ADVANCED PROCESS AUTOMATION'S ROBOTIC CLIENTS

HIGHLIGHTS

- Secure privileged access for software robots
- Audit trail and privileged access security
- Ease of integration

Security is a critical aspect of any enterprise application. Since robotic clients need to access and log into several applications, as part of a regular automation flow, the integration with the CyberArk Privileged Access Security Solution assists with accessing credentials with a full audit trail.

In the world of Robotic Process Automation (RPA), it is imperative that the software robots securely access applications to perform process automations. Robots should access and manage application credentials from a centralized, multi-layered secure repository.

SECURE PROCESS AUTOMATION FOR ROBOTIC CLIENTS

The integration of NICE Robotic Process Automation (NICE RPA) with CyberArk provides a secure way of accessing the application credentials. Software bots will require privileged credentials to perform process automations securely. As such, the integration enables the software bots to acquire the credentials from the CyberArk Digital Vault, creating a clear audit trail and ultimately preventing unauthorized access.

The CyberArk Privileged Access Security Solution is a unified enterprise-class solution that manages and secures all privileged accounts and credentials used by both human and nonhuman identities. The clear-text hard coded credentials that exist within applications, which are regularly leveraged by software bots are removed, centrally stored and managed within a secure digital vault with policy enforcement dictating how the credentials can be used. The solution places necessary controls around software robot privileged access for all various application types within RPA workflows and processes.

NICE RPA's comprehensive Robotic Process Automation platform provides both desktop (attended) and server-side (unattended) automations to help employees and organizations to be more productive. NICE RPA is equipped with more advanced capabilities, such as advanced Optical Character Recognition (OCR), enabling the automation of processes from unstructured data sources (e.g. scanned documents).

HOW IT WORKS

Each NICE RPA server installation has a single instance of a Centralized Credential Management (CCM) Microservice which connects to a CyberArk instance,

CYBERARK PRODUCTS:

- CyberArk Application Access Manager
- Application Access Manager

PARTNER PRODUCTS:

- NICE RPA

JOINT SOLUTION BENEFITS:

- Audit trail creation for regulatory compliance
- Secure, on-demand access of credentials
- Privileged credentials management

installed in the customer environment (via REST API). The CCM Microservice fetches the CyberArk parameters from NICE RPA's database when it receives the request from clients. The Robotic clients then request the CyberArk Vault via CCM Microservice for application credentials. The CCM Microservice then processes the response from CyberArk and returns the credentials to the respective client.

SUMMARY
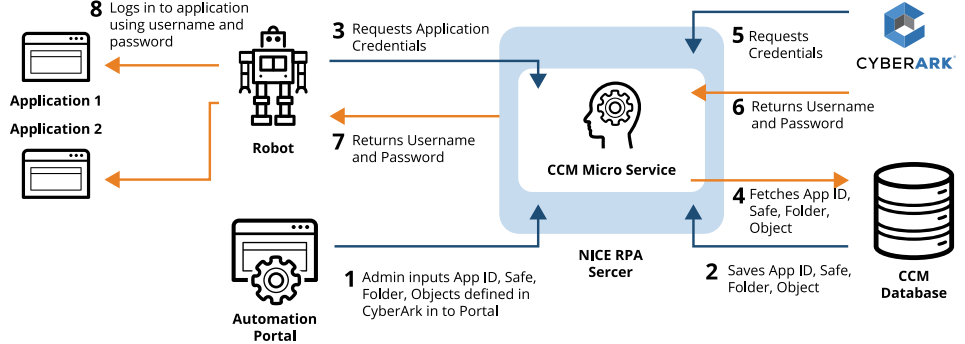
The integration of NICE RPA with CyberArk provides a secure way for Robotic Clients to access privileged credentials. The integration is accomplished by invoking the REST APIs of CyberArk by NICE RPA's CCM Microservice. This architecture ensures that CCM Microservice forwards the requests from the robotic clients and it also handles the response from CyberArk before passing it on to the clients. Every request to CyberArk is then audit trailed to support compliance requirements.

About CyberArk

CyberArk is the global leader in privileged access security, a critical layer of IT security to protect data, infrastructure and assets across the enterprise, in the cloud and throughout the DevOps pipeline. CyberArk delivers the industry's most complete solution to reduce risk created by privileged credentials and secrets. The company is trusted by the world's leading organizations, including more than 50 percent of the Fortune 500, To learn more, visit www.cyberark.com.

About NICE

NICE provides the world's leading companies with ways to improve their business performance by increasing operational efficiencies. NICE's RPA solution specifically delivers both attended and unattended automations, boosting employee performance. Learn more, visit www.nice.com/rpa.