

HIGHLIGHTS

OneSpan Authentication Server is a comprehensive, centralized and flexible authentication platform designed to deliver complete authentication lifecycle management via a single, integrated system.

It offers secure and seamless access to a variety of corporate resources and (banking) applications, from SSL VPNs to cloud-based apps. It supports OneSpan's entire range of authentication solutions, and simplifies authentication management for both administrators and end users.

AUTHENTICATION SERVER 3.18

A software suite for banks and other businesses requiring secure access through proven, state-of-the-art server technology. This datasheet intends to highlight the technical specifications of the Authentication Server 3.18 release.

OneSpan Authentication Server is a centralized authentication server offering strong authentication and validation of transaction signatures. It verifies authentication requests from individuals trying to access the corporate network or business applications.

The solution adds additional security measures to standard username/password logins across a wide range of servers and services. This stops unauthorized logins, even when passwords have been compromised. OneSpan Authentication Server is ideally suited for large and small enterprise network security implementations, application security and online banking security.

Strong multifactor authentication

The combination of OneSpan Authentication Server and Digipass® provides strong user authentication and greater security than static passwords, which expose the organization to data breaches. OneSpan Authentication Server provides a turnkey solution that can be rapidly implemented and operational.

User friendly transaction validation

OneSpan Authentication Server offers highly secure transaction signature validation for banks and financial institutions. Optional features include support for EMV-CAP and Hardware Security Module (HSM) to validate the signature in a secure and tamper-proof environment. By using the latest Cronto® technology, users can enjoy the best experience for their online banking by simply scanning a Color QR Code in order to log in or confirm a transaction.

Interoperability at the front-end

OneSpan Authentication Server uses a non-intrusive method of enabling Digipass authentication. It can be integrated using RADIUS, with Microsoft IIS-based applications such as Outlook Web Access, Citrix StoreFront or Microsoft RDWeb Access, or with any Internet application using SOAP. Additional modules are available for direct plug-in in various third party systems, such as Juniper SBR and Microsoft ADFS 3.0, 4.0 and 5.0.

Wide Range of Supported Databases

OneSpan Authentication Server supports a wide range of ODBC compliant databases for data storage and ships standard with MariaDB. The Digipass related data can be stored with the users in the ODBC database and synced with Windows user information from the Active Directory.

Convenient web based user interface

All administration functions are available through a web based user interface, allowing remote administration and creating new opportunities for managed security services providers. End user support is efficient and easy to manage thanks to a dedicated overview of all functions that are required and used on a daily basis by helpdesk staff. An intuitive SelfManagement Website allows endusers to manage their software and hardware Digipass without Helpdesk intervention, thus freeing up admin resources.



DATASHEET AUTHENTICATION SERVER

HIGHLIGHTS

- Can be used out of the box or integrated with existing infrastructure
- Designed to fit the needs of an organization of any size
- Easy to install, manage and support
- Easy to integrate in existing infrastructure
- Efficient tools for helpdesk staff
- Robust and easy expandable with users and applications
- Cronto technology ensures an easy and convenient user experience
- Smooth migration, updates and maintenance

Extensive auditing and reporting

The audit console monitors incoming and outgoing events on the OneSpan Authentication Server. Data gathered by the audit console provides critical details necessary to effectively manage a remote access environment. Extensive XML or HTML formatted reporting is provided for helpdesk troubleshooting, system- and security auditing, and accounting purposes.

Fits in any environment

OneSpan Authentication Server is available in the widest range of supported platforms: Windows Server, Ubuntu- and RedHat distributions, as well as dedicated appliance formats and can run in most popular virtual environments, such as VMware ESXi, Microsoft Hyper-V and Citrix XenServer.

FEATURES

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| • Supports Digipass two-factor authentication, Cronto QR and e-Signature for transaction data validation |
| • Supports EMV-CAP and Hardware Security Module (HSM) |
| • Supports RADIUS and Microsoft IIS web server based clients (Outlook Web Access, Citrix StoreFront, Remote Desktop Web Access) |
| • Supports Office365 via ADFS 3.0, 4.0 and 5.0 and SBR |
| • Supports Internet hosted applications via SOAP |
| • Supports wireless protocols & the return of RADIUS attributes |
| • Validation of Digipass Authentication for Windows Logon for locally connected users, in online and offline mode (W7, W8.1, W10) |
| • Active Directory integration, ODBC database support |
| • High availability through server replication and load balancing |
| • End user Self-Management Website |
| • Web-based administration GUI in a single browser window for all administrative functions |
| • Dedicated dashboard page |
| • Comprehensive audit system, with storage in a database or text file and an optional live audit viewer. |
| • Activity reporting with output in XML/HTML format |
| • SNMP Monitoring |
| • Available as Appliance or Virtual Appliance |

SUPPORTED ENVIRONMENTS*	
Operating System (Windows version)	<ul style="list-style-type: none"> · Windows Server 2008 R2 with SP1 (64-bit) · Windows Server 2012 (64-bit), 2012 R2 (64-bit) · Windows Server 2012 Essentials (64-bit), 2012 R2 Essentials (64-bit) · Windows Server 2016 · Windows Server 2019
Operating System (Windows desktop)	<ul style="list-style-type: none"> · Windows 10 (Including Builds 1511, 1607, 1703, 1709) · Windows Server 2016
Operating System (Linux version)	<ul style="list-style-type: none"> · Ubuntu Server 16.04 LTS (64-bit), 18.04 LTS · RedHat Enterprise Linux version 6.7, 7. x (64-bit) · CentOS 6.x, 7.x (64-bit)
Virtual Images	OneSpan Authentication Server can operate in most popular virtual environments, such as VMWare ESXi, Citrix XenServer and Microsoft Hyper-V, as long as the Operating System is supported in that environment and by OAS. Please check the relevant vendor's specification.
Supported Web servers	<ul style="list-style-type: none"> · Apache Tomcat version 8.5.41 · IBM WebSphere Application Server 8.5.5 Should include Java: JRE8, JSP2, JS2.4
Supported Web browsers	<ul style="list-style-type: none"> · Chrome 51, Firefox ESR45, Internet Explorer 11, Microsoft Edge 25
Data store (DBMS)	<ul style="list-style-type: none"> · Oracle 12c, 18c · Microsoft SQL Server 2012SP2, 2016, 2017 (Windows) · MariaDB 10.2.16 (Linux, Windows)
Data store (Active Directory)	<ul style="list-style-type: none"> · Windows Server 2008R2SP1 AD · Windows Server 2012 AD, 2012 R2 AD, 2016 AD · Not supported: Windows Server 2019 AD
LDAP Back End Authentication	<ul style="list-style-type: none"> · Windows Server 2008R2SP1 AD · Windows Server 2012 AD, 2012 R2 AD, 2016 AD, 2019 AD · NetIQ eDirectory 8.8 SP8 · IBM Security Directory Server 6.3
HSM	<ul style="list-style-type: none"> · SafeNet ProtectServer Gold, Orange, Express · SafeNet ProtectServer External 2, Internal-Express 2 · Thales nShield Connect, Solo (on selected platforms)

COMPLIANCE TO STANDARDS	
Radius	<ul style="list-style-type: none"> · RFC 2865 and RFC 2866
Wireless	<ul style="list-style-type: none"> · EAP, PEAP
Authentication	<ul style="list-style-type: none"> · Digipass OTP (Challenge / Response, Response Only) · Digipass Signature (transaction validation) · OATH (event based – time based) · EMV-CAP



OneSpan enables financial institutions and other organizations to succeed by making bold advances in their digital transformation. We do this by establishing trust in people's identities, the devices they use, and the transactions that shape their lives. We believe that this is the foundation of enhanced business enablement and growth. More than 10,000 customers, including over half of the top 100 global banks, rely on OneSpan solutions to protect their most important relationships and business processes. From digital onboarding to fraud mitigation to workflow management, OneSpan's unified, open platform reduces costs, accelerates customer acquisition, and increases customer satisfaction.

CONTACT US

For more information:
info@OneSpan.com
www.OneSpan.com



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