



# PASSWORD MANAGEMENT

Self-Service Password Reset		Avatier
1.	Change known password	●
2.	Reset forgotten password	●
3.	Unlock account	●
4.	Re-enroll end user for self-service reset	●
5.	Get account information	●
6.	Test password strength	●
7.	Password reset/sync at Windows pre-network logon	●
8.	Universal MFA Support (see section)	●
9.	Integration with AS/400, Oracle and over 100 connectors	●
10.	Phone Reset (PIN, RSA, voice biometrics)	●
11.	SMS and/or alternate email OTP authentication	●
12.	SMS and/or alternate email verification during enrollment	●
13.	Security code scan on each release	●
14.	Branding without programming	●
15.	Forced enrollment	●
16.	Mass enrollment	●
17.	One-Time HR feed expiring questions	●
18.	Display all questions at once	●
19.	Cascade questions as they are correctly answered	●
20.	Configurable display account status	●
21.	Email notifications password is to expire	●
22.	Email notifications to non-enrolled users	●
23.	Notify users of successful enrollment	●
24.	Password strength indicator	●
25.	reCAPTCHA and Invisible reCAPTCHA support	●
26.	Display date of last successful/failed question challenge	●
27.	Cached credentials on Windows and Mac	●
Facilitated Reset		
1.	Help desk controlled password reset and synchronization	●
2.	Help desk controlled unlock account	●
3.	Help desk controlled one-click password reset	●
4.	Help desk controlled password enrollment invite	●
5.	Help desk password enrollment multi-language enrollment email	●
6.	Use knowledge base questions to confirm identity	●
7.	Use Microsoft Active Directory or LDAP field to confirm identity	●
8.	Use multiple questions for help desk verification	●
9.	Use SMS authentication integration with help desk systems	●
10.	Generate random password with rules	●

Facilitated Reset (Continued)		Avatier
11.	Help desk view managed user activity log	●
12.	User must change password on next logon	●
13.	No need for help desk to access systems directly	●
14.	Display all questions at once	●
Multi-Factor Authentication (MFA) Support		
1.	Knowledge base question and answer	●
2.	SMS One Time Passcode (OTP) - Free, Twilio, Tropo & Infobip	●
3.	Email notifications to non-enrolled users	●
4.	Phone PIN reset	●
5.	Phone voice biometric reset	●
6.	Phone RSA reset	●
7.	Mobile device finger print reset (per user per month)	●
8.	Mobile device face reset (per user per month)	●
9.	Mobile device voice reset (per user per month)	●
10.	RSA token	●
11.	Duo Security	●
12.	FIDO2	●
13.	Google Authenticator	●
14.	Microsoft Authenticator	●
15.	OktaVerify	●
16.	PingIdentity	●
17.	Radius	●
18.	RSA SecureID	●
19.	Salesforce Authenticator	●
20.	Symantec VIP	●
21.	YubiKey	●
22.	WebAuthn	●
Key Features		
1.	Unified Compliance	●
2.	Single System of Record	●
3.	Proven ROI	●
4.	Military Approved	●
5.	User Centric Design	●
6.	Business Focused Architecture	●
7.	Directory Independence Leverage AD, LDAP or Radiant Logic VDS	●
8.	Smart Start Best Practices Deployment Guide	●
9.	Contextual Learning	●
10.	Context Sensitive Help	●
11.	Over 100 How to Videos	●
12.	Computer Based Training (CBT) with certification test	●
13.	Rotating Encryption Key with 2 Person Recovery	●
14.	Cost Savings Calculator	●
15.	Tamper Detection for user mapping database	●
16.	Fully Responsive Design for portrait & landscape on mobile and tablets	●
17.	Customer Branding - graphics, fonts, style sheets	●
18.	Multi-lingual support for over 30 languages	●
19.	Multi-currency support	●

Event Logging & Reporting		Avatier
1.	Canned reports	●
2.	Report creation tool	●
3.	Integration with report creation tools	●
4.	SIEM - RFC5424	●
Administration & Operations		
1.	Connector Groups	●
2.	Exclusions / Inclusions	●
3.	Email Notifications	●
4.	Email Notifications Redirect (for testing)	●
5.	Access Control to Password Station Configuration Sections	●
6.	Rotating Customer Encryption Key	●
7.	Two Party Recovery of Rotating Encryption	●
8.	Cross Site Scripting Protection	●
9.	Email Alerts Connector	●
10.	Encrypted User Mapping	●
11.	Soft Lock out after failed attempts	●
12.	User Unenrolled & admin notified after failed attempts	●
13.	Mobile friendly HTML5 Responsive Design	●
Ticketing		
1.	LANDesk / Ivanti	●
2.	ServiceNow	●
3.	HP Help Desk	●
4.	Cherwell	●
5.	SMTP Generic	●
Identity Management Capacity		
1.	0 - 1,000	
2.	1,000 - 1,000,000	

Password Enforcement Properties		Avatier
1.	Minimum password length	●
2.	Maximum password length	●
3.	Do not allow any characters	●
4.	Allow any alpha numeric character	●
5.	Force mixed case	●
6.	Lower case not allowed	●
7.	Upper case not allowed	●
8.	Must contain minimum number of chars	●
9.	Must contain maximum number of chars	●
10.	Must contain a char in position #	●
11.	Must contain minimum number of lowercase chars	●
12.	Must contain maximum number of lowercase chars	●
13.	Must contain a lowercase char in position #	●
14.	Must contain minimum number of uppercase chars	●
15.	Must contain maximum number of uppercase chars	●
16.	Must contain an uppercase char in position #	●
17.	Do not allow any numbers	●
18.	Must contain minimum number of numbers	●
19.	Must contain maximum number of numbers	●
20.	Must contain a number in position #	●
21.	Do not allow a number at the beginning	●
22.	Do not allow a number at the end	●
23.	Do not allow a special character at any position	●
24.	Must contain minimum number of special chars	●
25.	Must contain maximum number of special chars	●
26.	Must contain a special char in position #	●
27.	Do not allow a special character at the beginning	●
28.	Do not allow a special character at the end	●
29.	Checkbox selection of included/excluded special chars	●
30.	Predefined wordlist filtering	●
31.	Custom wordlist filtering with wildcard support	●
32.	LEET filtering	●
33.	Do not allow sequences of chars of the UserID in the password. Maximum length	●
34.	Do not allow any part of user's full name in password	●
35.	Do not allow more than # repeating characters	●
36.	Do not allow repeating pattern of characters greater than or equal to #	●
37.	Do not allow sequences of letters or numbers greater than length #	●
38.	Do not allow palindromes	●
39.	Control chars, numbers, and special chars in auto generated passwords by help desk personnel	●
40.	Support Microsoft AD Strong Password Policy	●
41.	Support Novell Strong Password Policy	●

Password Policy Assignment		Avatier
1.	Assign to Authoritative Source	●
2.	Assign to User	●
3.	Assign to Group	●
4.	Assign to Organizational Unit (OU)	●
5.	Assign to Connector	●
6.	Assign to Connector Group	●
Global Password Policy Settings		
1.	Built-In Smart Start Best Practice Deployment	●
2.	Context Sensitive Knowledge Base with Videos	●
3.	Create unlimited number of password policy groupings	●
4.	Name, edit, rename, delete password policy groupings	●
5.	Add description to password policy grouping	●
6.	Display who last changed a password policy	●
7.	Display time date stamp of last password policy change	●
8.	Enable / disable password policy groupings	●
9.	Reset password policy groupings	●
10.	Automatically Synchronize AD Password Changes to Connected Systems	●
11.	Automatically Deploy Password Filter to All AD Domain Controllers	●
12.	Support Primary, Secondary and Tertiary Password Filter Web Services	●
13.	Exclude AD Users and Groups from Password Policy	●
14.	Support LEET	●
15.	Override connector password policies	●
16.	Test native AD password policy	●
17.	Test AIMS connector password policy	●
18.	Test native AD password policy	●
19.	Test AIMS connector password policy	●

Framework Features		Avatier
1.	Choice of Delivery as Hosted Cloud Offering Private Instance	●
2.	On-Premise Docker Container Provides Cloud Freedom, Continuous Update Delivery, Auto Scaling, No Load Balancer	●
3.	Supports Docker Swarm for Orchestration	●
4.	Continuous Delivery with Roll Back	●
5.	Built-In Load Balancer	●
6.	Auto Launch Additional Servers on Load	●
7.	Auto Scale Back Servers as Demand Decreases	●
8.	Support for Production, Development, and Test Environments	●
9.	Subscription Based Pricing	●
10.	Cross Site Scripting Protection	●
11.	SQL Injection Protection	●
12.	Access Control to Common Config Sections	●
13.	Military Approved	●
14.	User Centric Design	●
15.	Business Focused Architecture	●
16.	Smart Start Configuration Wizard	●
17.	Contextual Learning System	●
18.	Context Sensitive Help	●
19.	Over 100 How-to Videos	●
20.	Computer Based Training (CBT) with Certification Test	●
21.	Custom Sign-Out URL	●
22.	Cost Savings Calculator	●
23.	Tamper Detection for Social Login User Mapping Database	●
24.	Email Alerts on Configuration Changes	●
25.	Customer Branding - Graphics, Fonts, Style Sheets	●
26.	Multi-Currency Support	●
27.	Support for Primary and Secondary Servers	●
28.	Automatic Fail Over Secondary Server	●

Framework Features (Continued)		Avatier
29.	Automate Tasks Before or After An Operation	●
30.	Risk Scoring & Risk Intelligence	●
31.	Branding Images and Verbiage	●
32.	Branding Using Custom Style Sheets	●
33.	Hub and Spoke Identity Repository	●
34.	Rotating Encryption Key with Dual Customer/Vendor Recovery	●
35.	Delegated Administration	●
36.	Multi-Language Support for Over 30 Languages	●
37.	Task Execution / Automation	●
38.	SIEM Integration	●
39.	Bottom Up Role Mining	●
40.	Peer to Peer Identity Repository	●
41.	Proprietary Identity Repository Database	●
42.	Directory Independence	●
Connectors (Common OS)		
1.	Microsoft Active Directory	●
2.	Linux	●
3.	HP Tru64	●
4.	HP VMS	●
5.	HP-UX	●
6.	IBM AIX	●
7.	IBM z/OS	●
8.	IBM iSeries (AS400)	●
9.	SUN Solaris	●
Connectors (Directories)		
1.	Microsoft Active Directory	●
2.	IBM Directory Server	●
3.	Linux Fedora Directory Server	●

Connectors Directories (Continued)		Avatier
4.	Microsoft AD LDS	●
5.	Novell eDirectory (NDS)	●
6.	OpenLDAP	●
7.	Oracle Unified Directory	●
8.	Sun Java System Directory Server (iPlanet Sun ONE)	●
9.	Radiant Logic VDS	●
Connectors (Databases)		
1.	IBM DB2	●
2.	Microsoft SQL Server	●
3.	MySQL	●
4.	PostgreSQL	●
5.	Sybase	●
6.	Teradata	●
7.	Oracle	●
Connectors (Enterprise and Cloud Applications)		
1.	Agilysys LMS	●
2.	Agilysys LMS Arts	●
3.	Agilysys LMS Cashier	●
4.	Agilysys LMS Showgate	●
5.	Agilysys MMS	●
6.	Bally SDS	●
7.	Bally SMS	●
8.	Bally Technologies ACSC Casino	●
9.	Bally Technologies ACSC Slot	●
10.	Bally Technologies ACSC Universe	●
11.	Blackboard Enterprise Suite	●
12.	Cherwell	●

Connectors Enterprise and Cloud Applications (Continued)		Avatier
13.	CMS400	●
14.	Generic Web Service (SOAPS)	●
15.	Google Apps	●
16.	HP Service Desk	●
17.	Infinium HCM/FSM	●
18.	Infinium Self-Service	●
19.	Infogenesis Point Of Sale	●
20.	JD Edwards Enterprise One	●
21.	JD Edwards One World	●
22.	Cost Savings Calculator	●
23.	KRONOS AS/400	●
24.	KRONOS AS/400 User/Manager	●
25.	McAfee Endpoint Encryption	●
26.	McKesson Horizon Clinical Infrastructure (HCI)	●
27.	Micros 9700 POS	●
28.	Microsoft Exchange 2010, 2013, 2016	●
29.	Microsoft Identity Manager	●
30.	Microsoft Lync	●
31.	Microsoft Office 365	●
32.	Microsoft Skype For Business Video and Conferencing Policies	●
33.	NetSuite	●
34.	PeopleSoft Remote 8.1/8.4	●
35.	PeopleSoft 8.4 and Above	●
36.	Remote Command Line	●
37.	Salesforce CRM	●
38.	SAP ECC with SOAP	●
39.	ServiceNow	●
40.	Success Factors	●
41.	Proprietary Identity Repository Database	●
Multi-Language Support		
1.	Arabic	●
2.	Catalan	●
3.	Chinese	●
4.	Chinese (Traditional)	●
5.	Czech	●

Multi-Language Support (Continued)		Avatier
6.	Danish	●
7.	Dutch	●
8.	English	●
9.	Finnish	●
10.	French	●
11.	French (Canadian)	●
12.	German	●
13.	Greek	●
14.	Hindi	●
15.	Hungarian	●
16.	Indonesian	●
17.	Italian	●
18.	Japanese	●
19.	Korean	●
20.	Norwegian	●
21.	Polish	●
22.	Portuguese	●
23.	Portuguese (Brazil)	●
24.	Russian	●
25.	Slovak	●
26.	Spanish	●
27.	Spanish (Americas)	●
28.	Swedish	●
29.	Thai	●
30.	Turkish	●
Support		
1.	Live Phone Support	●
2.	24 x 7 x 365 Support Knowledge Base Access	●
3.	24 x 7 x 365 Access to Avatier Community	●
4.	24 x 7 x 365 Access to Your Organizations Support Cases	●
5.	In Product Quick Start Guides	●
6.	Embedded Context Sensitive Links To Knowledge Base Articles	●
7.	Embedded Links to How To Videos	●
8.	Support Knowledge Base Live Chat	●

Markets Served		Avatier
1.	Consumer Goods	●
2.	Education	●
3.	Energy	●
4.	Financial	●
5.	Government	●
6.	Healthcare and Pharmaceutical	●
7.	Hospitality and Gaming	●
8.	Manufacturing	●
9.	Media	●
10.	Military and Defense	●
11.	Services	●
12.	Technology	●
13.	Utilities	●



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