

Predict | Protect | Prevent

ARCON|PAM
ARCON PAM Lite Offerings

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Sales Contact

You can directly contact us with sales-related topics at the email address <sales@arconnet.com>, or leave us your contact information and we will call you back.

1 Overview

ARCON PAM Lite is specially designed to help SMEs quickly adapt to the PAM environment. While unlimited users and systems can be onboarded, this solution is recommended for organizations that aspire for the core PAM features. It is easy to maintain with concise configurations and minimal usability that monitors, reports and logs all the critical activities related to the network.

2 Features of ARCON PAM Lite

Arcon PAM Lite offers the following features.

Multi-factor Authentication or Password-less authentication

ARCON | PAM Multi-factor Authentication functionality provides a robust and seamless validation mechanism. The solution's MFA functionality acts as a strategic entry point to identity management systems and helps to manage system-based users. ARCON PAM Lite offers native **Email** and **Mobile** based **One-Time-Password (OTP)** validation to ensure correct authentication. The tool seamlessly integrates with disparate **Third-Party Biometric Authentication solutions** such as 3M Cogent(Gemalto), Morpho, Precision, EikonTouch, GlobalSpace, RSA, Vasco, 3M, Precision, SafeNet, and Safran. Alongside it also integrates with **TOTP**-based authenticators like Symantec VIP Access, Google Authenticator, and Microsoft Authenticator.

Single Sign-On

ARCON PAM Lite offers the most advanced single sign for almost all conventional IT Devices with more than 200+ plug-n-play connectors. This covers a range of devices including Windows, Unix, Databases (Toad, SQL+, SQL Developer, etc.), Network Devices, VMWare, HyperV, Peripheral device consoles, and Web Applications. It comes with a strong feature on managing Network Devices (SSH/Telnet and GUI based), seamless support for Oracle Database over SSH, and dedicated support for developing additional connectors. ARCON SSO is integrated with build-in plugins for Multi-Domain Authentication, RSA / Safenet / Vasco Tokens / Duo. Inbuilt Mobile App-Based Authentication, SMS Token-based.

Session Management

Session Monitoring enables an enterprise to secure, control and monitor the access of privileged accounts. It automatically creates a video log that records all activity of the Administrators for each minute and second on the server. These recordings are stored in the ARCON PAM database and accessible to authorized auditors. All activities are fully monitored and strictly meet the auditing and governance standards.

Role-Based Access Management

ARCON PAM Lite Access Control manages super-users authentication and authorization based on assigned privileges. It enables an organization to secure, control and monitor privilege account by using vault technology. It empowers the organization and gives complete visibility and control of the privileged accounts and super users in an enterprise. Also enables centralized management and auditing of the privileged account.

Password Management

Password Management helps a user to store and organize passwords. Password Manager offers a readily configurable password policy profiler and a password generator, where the passwords generated are unique from each other. The passwords generated are fired on the end devices including dependencies if any, such as services, tasks, scripts, etc. The password vault is an electronic vault, which stores privileged passwords in a highly secured manner. The vault is AES-256 bit encrypted, which is further wrapped with a proprietary encryption algorithm. The electronic vault requires the authorization of users for secured printing.

Out of the box Reporting

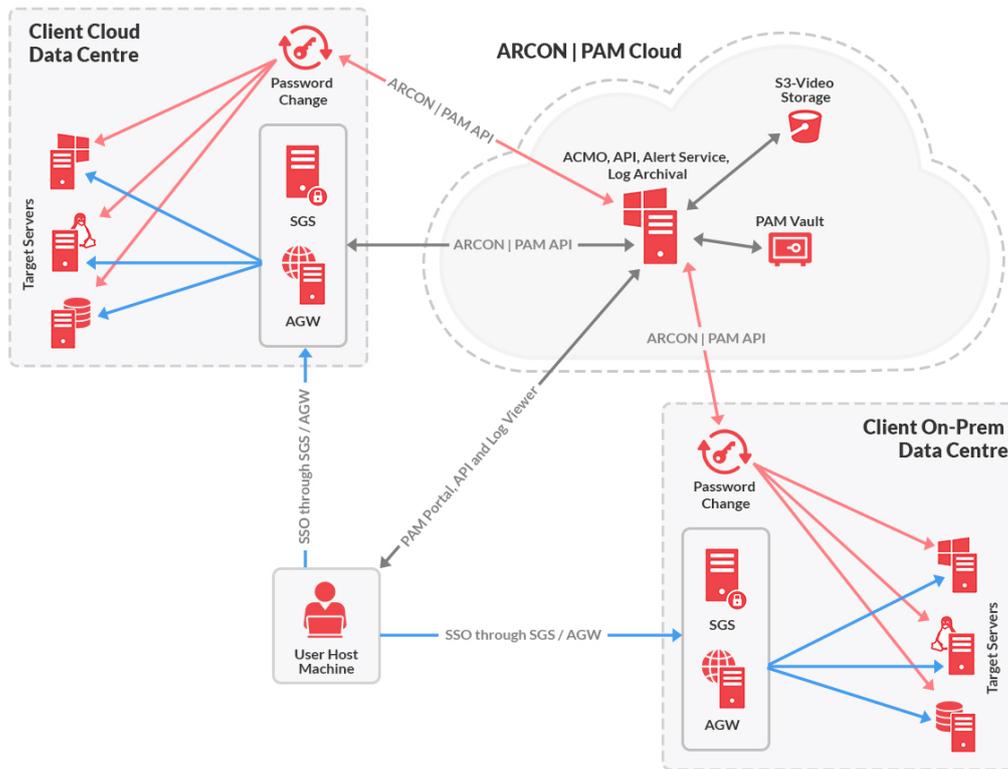
ARCON PAM Lite can generate 110 different reports that are related to Users, User Groups, Services, and Servers that are accessed by Users. These reports ensure keeping track of all activities that are carried out using PAM. There are also compliance reports that are generated periodically which help in administrating the daily activities of users using PAM.

Although there are numerous goals for every startup and a small-scale organization, there are a few that are key to enrich their business, like security. Some startups or small-scale organizations may not have their own IT team or an IT team that is outsourced. In such a situation, organizations have to choose a managed service model like ARCON PAM Cloud service which is well capable to support an organization's internal & external

privilege access management requirements that can fulfill their client requirements, which in turn can leverage the technology aspect by offering an efficient and cost-effective service.

3 ARCON PAM Lite Architecture

SaaS eliminates the need to have IT staff download and install applications on each computer. With SaaS, vendors manage all potential technical issues, such as data, middleware, servers, and storage, resulting in streamlined maintenance and support for the business. In SaaS, multiple clients can create their accounts on-boarded on their services and login into the system, and perform PAM-related acquisitions.



In the above Architecture the below areas are configured:

ARCON PAM Cloud

1. ARCON PAM Cloud is a globally available SaaS platform that hosts various services offered by ARCON.
2. It supports PAM Lite as well PAM Enterprise features like Alert Services, Logs, Video Storage, etc.
3. The password vault (database) is an electronic vault, which stores privileged passwords in a highly secured manner. The vault is AES-256 bit encrypted, which is further wrapped with a proprietary encryption algorithm.

Client Cloud Datacenter

1. The end-user host machine establishes a connection through either the Secured Gateway Server (SGS) or the Application Gateway (AGW) to target servers located in Cloud-based Datacenters.
2. Password change is an independent service that is triggered by the ARCON PAM API as per the schedule configured. It is responsible for generating alerts and notifications for periodical password change and password control services.

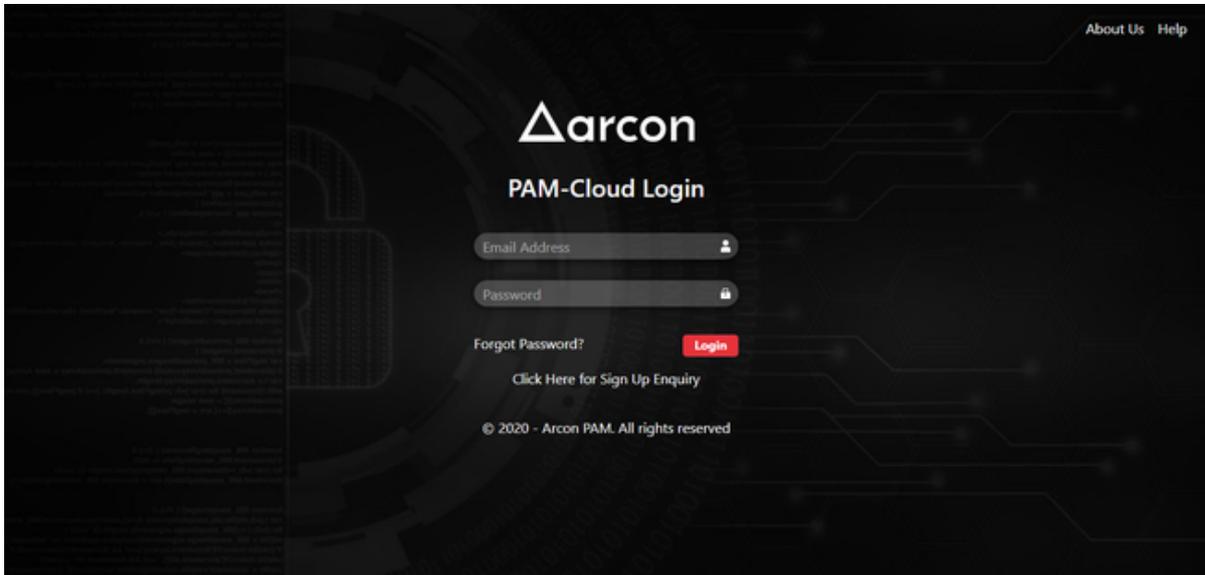
On-Prem Data Centre

1. The end-user host machine connects through the Secured gateway (SGS) or the Application Gateway to the On-prem Datacenter to establish a connection to the target server farm.
2. As with Cloud Data Center, an independent Password change service must be installed in the on-prem data center for generating alerts and notifications for periodical password change and password control services.

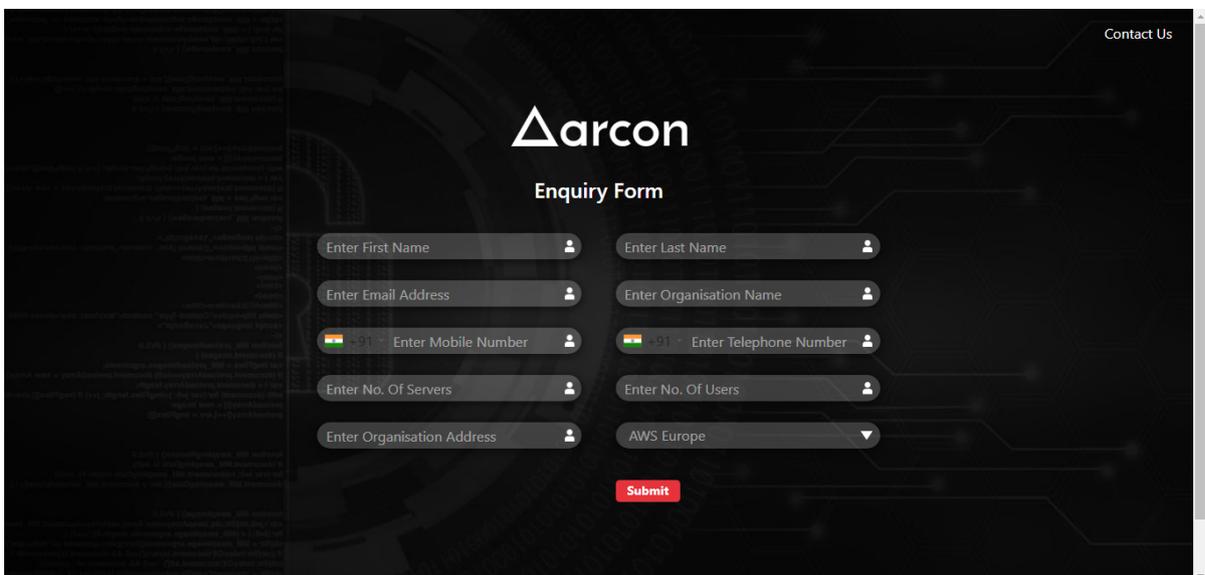
4 Registration

In this step, the user registers to access the PAM offerings on the cloud by filling the signup form.

1. Go to the ARCON PAM Cloud website/URL and click the link **Click Here for Signup Enquiry**.



2. The below **Enquiry Form** will be displayed where you need to fill in the required details like **Name**, your **Email ID** (Self or Company ID), Contact number (Primary and Alternate), count of **Servers** and **Users**, and your **Location**.

A screenshot of the ARCON Enquiry Form. The page has a dark background with a subtle grid pattern. At the top right, there is a link for "Contact Us". The ARCON logo is centered at the top. Below the logo, the text "Enquiry Form" is displayed. There are several input fields: "Enter First Name", "Enter Last Name", "Enter Email Address", "Enter Organisation Name", "Enter Mobile Number" (with a dropdown for country code), "Enter Telephone Number" (with a dropdown for country code), "Enter No. Of Servers", "Enter No. Of Users", and "Enter Organisation Address". There is also a dropdown menu for "AWS Europe". At the bottom, there is a red "Submit" button.

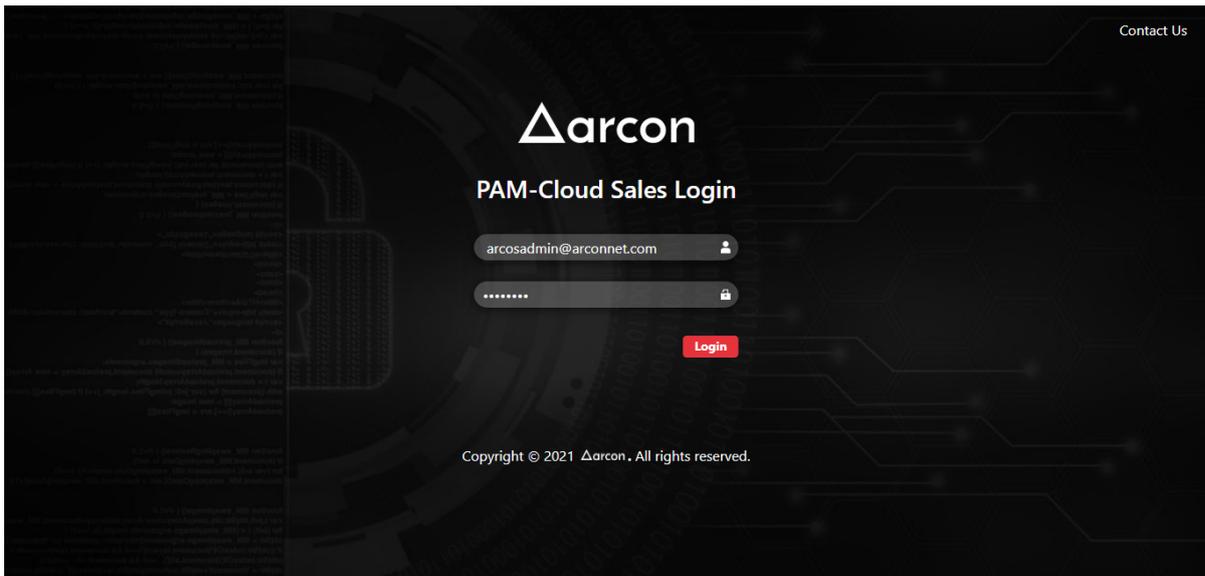
3. Click on the **Submit** button. Your enquiry will be submitted to ARCON.

5 Authorization

All the enquiries that are submitted for PAM-Cloud are directed to an Authorizer or ARCON Manage Service Provider who checks the requirements based on the count of the users and the servers. These requirements are further evaluated for pricing decisions to make a final offering of PAM-Cloud to the enquirer. All the enquiries are received by the Authorizer through an email and the details mentioned in an enquiry can be checked/approved through the **ARCON PAM-Cloud Sales** portal.

For the Authorizer to Check/Approve an enquiry:

1. Login with the PAM-Cloud Sales Login credentials.



2. The following dashboard with the details of all the managed companies and details will be listed.

Dashboard
Regions AWS Americas

Organisations
62

View Report

Companies
123

View Report

LOBs
171

View Report

Users
682

View Report

Services
12104

View Report

A

Organisations

First Name	Last Name	Organisation Name	Org. Alias Name	Users Count	Servers count
Hardik	Thakkar	HP Enter	HP	1000	100
vinod	patil	ARCON	ARCON	100	100
Payal	Chaudhari	Amrutraj	Amrutraj	100	100

Companies

Company Name	Company Alias Name	Local Domain Name	Address	Created On
HARDIK	HARDI-KT	HARDIKT_LOCALAUTH	Malad, Mumbai	4/9/2020 2:45:13 PM
C1	C1-ONE	C1ONE_LOCALAUTH	address_c1	4/9/2020 10:07:30 AM
C2	C2-TWO	C2TWO_LOCALAUTH	address_c2	4/9/2020 10:07:46 AM

LOBs

LOB Name	Display LOB Name	Address	Valid Till	Created On
HP-Enter_HARDI-KT_RR	HP-Enter_HARDI-KT_RR		4/25/2020 12:00:00 AM	4/9/2020 3:38:01 PM
Amrutraj_C1-ONE_L101	Amrutraj_C1-ONE_L101	L101_address	6/30/2020 12:00:00 AM	4/9/2020 10:12:57 AM
Amrutraj_C1-ONE_L102	Amrutraj_C1-ONE_L102	L102_address	6/30/2020 12:00:00 AM	4/9/2020 10:13:34 AM

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3. The below page displays the enquiries. Click on the Add Button in the ID column of the enquiry page to View/Approve/Evaluate the requirement which is received as an Enquiry.

All Enquiries

Show 10 entries Search:

Id	First Name	Last Name	Address	EmailId	Server Count	User count	Org. Name	Phone No	Created On	Action
11	test9	test9	chakala	test9@gmail.com	2	2	test9	+91-9876786543	2/8/2021 11:31:11 AM	
12	first_1	last	cc	last@gmail.com	2	2	xx	+91-9988771122	2/8/2021 11:32:49 AM	
14	A	B	rr	a@a.com	11	100	SS	+91-9090887741	2/8/2021 12:15:02 PM	
17	aty	aty	hkj	abhishekgaud1@yahoo.com	100	1000	aty	+91-9090876117	2/9/2021 4:19:16 AM	
18	Test123	Test123	Andheri	abhishekgaud@arconnet.com	100	1000	test123	+91-9090908870	2/10/2021 5:16:19 AM	
19	a	a	a	fg1@fg.com	100	1000	a	+91-9090907788	2/11/2021 6:07:11 AM	
20	aj	aj	aj	aj@aj11.com	1000	1000	anb	+91-9090102030	2/12/2021 3:11:50 AM	
21	aj	aj	aj	aj@aj1111.com	1000	1000	anb11	+91-9090102032	2/12/2021 3:18:46 AM	
22	ip	ip	xcjnj	ip@ip.com	100	1000	dhv	+91-9090101019	2/12/2021 4:04:38 AM	
23	kjgk	hkjhkj	csvjk	hkjhkj@lkjk.com	100	1000	kjbfkj	+91-8989898922	2/12/2021 4:16:47 AM	

Showing 1 to 10 of 19 entries Previous **1** 2 Next

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- A form will be opened as shown below where the Authorizer can view the requirement which has been received. Further on Evaluating it, Authorizers can mention the billing information according to the number of **Users** and **Servers**.

Admin Registration Form

First Name : * Last Name : *

Email Address : * Phone No./Mobile No. : *

Organisation Name : * Organisation Alias Name : *

No. of Servers : * No. Of Users : *

Organisation Address : * Hosting Region : *

Start Date : * End Date : *

Rate : * Rate Based on : * Users Servers

Total Monthly Amount : * Payment Type : *

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- Click on the Approve button to make a final offering to the requestor.
- Further, the offering will be re-directed to the enquirer through an Email.

6 Limitations and Concerns

1. **Data security:** Large volumes of data may be exchanged to the backend data centers of SaaS applications to perform the necessary software functions.
2. **Customization:** SaaS applications offer minimal customization capabilities. Since a one-size-fits-all solution does not exist, users may be limited to specific functionality, performance, and integrations as offered by the vendor.
3. **Feature limitations:** SaaS applications often available in a standardized form, the choice of features may be a compromising tradeoff against security, cost, performance, or other organizational

Privileged Access Management Suite



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