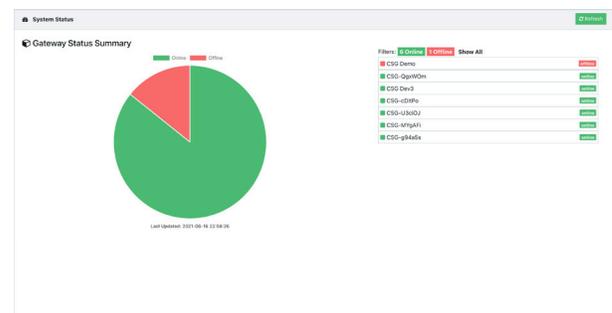


Remote Operations Access Manager

The **XONA™** Remote Operations Access Manager (ROAM) provides enterprise visibility and control of all **XONA** Critical System Gateways (CSGs) in the OT Enterprise Network. In addition, ROAM can aggregate all CSG logs and user access recordings for further user access analysis of OT assets.

DASHBOARD

ROAM dashboard provides a high-level view on number of asset connection sessions and system health. It shows the total number of CSG sessions by protocol as well as active CSGs.



GROUP BASED MANAGEMENT

ROAM enables administrators to set policy groups by users, asset connections or CSGs. A specific user group called “HMI technician access” could be given to a group of technicians to only be able to access HMIs in one or more plants, while access to other systems such as SCADA application could be given to another user group.

Gateway Name	Gateway Description	Gateway Host	Start Date	Expiration Date	Status
CSG-Dev01	This is the demo resource	10.10.101.30			Online
CSG-gH4x5	CSG Test Gateway (G-gH4x5)	10.10.101.30			Online
CSG-OP01	CSG Test Gateway (G-OP01)	10.10.101.31			Online
CSG-OpWin01	CSG Test Gateway (G-OpWin01)	10.10.101.30			Online
CSG-gH4x5	CSG Test Gateway (G-gH4x5)	10.10.101.34			Online
CSG-OP01	CSG Test Gateway (G-OP01)	10.10.101.30			Online
CSG-Dev03	Dev CSG	10.10.101.01			Online

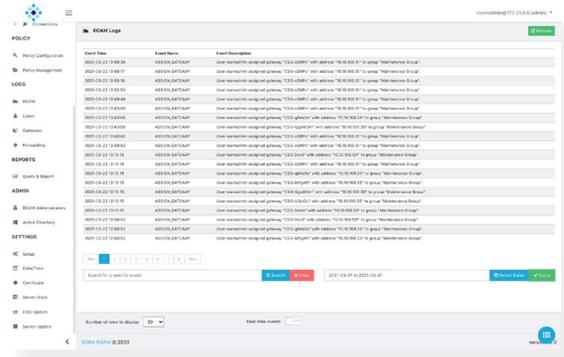
POLICY ENGINE

ROAM can enforce specific policies across users, asset connections or CSGs. Vendor groups could be given specific time-based access policies for asset maintenance. For example, ABC vendor can be given a time window on Thursdays while XYZ vendor is given a time window on Fridays. Both vendor groups can be set to require multifactor authentication (MFA) during their time windows.

Policy Name	Policy Description	Policy Type	Policy Status	Policy Assign
File Transfer From Host Policy	Allow users to transfer files from host only.	Connection	Active	Assign
File Transfer To Host Policy	Allow users to transfer files to host only.	Connection	Active	Assign
File Transfer To Host Policy	Allow users to transfer files to host only.	Connection	Active	Assign
Vendor Login	Enforce manual login for connections.	Connection	Active	Assign
User Session Termination	Enforce connection to require MFA authentication user.	Connection	Active	Assign
File Transfer (Unrestricted)	Set Gateway policy to require MFA for all file transfers.	Gateway	Active	Assign
Gateway Log Retention Policy	Set Gateway log retention for storage of logs, files and recordings.	Gateway	Active	Assign
Lockdown Policy	Set Gateway policy to disable users from logging in to Gateway without local administrator approval.	Gateway	Active	Assign
Session Recording Policy	Record all user sessions.	Gateway	Active	Assign
MFA Session Termination Policy	Allow MFA access on connected sessions.	Connection	Active	Assign
User Session Termination Policy	Allow MFA access before logging off inactive users.	Connection	Active	Assign
Access Windows Policy	Set an access window for users M-F 9-5 PM.	User	Active	Assign

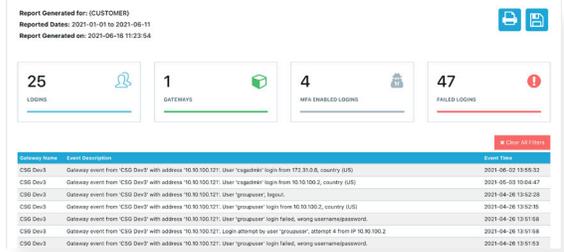
CENTRALIZED STATUS AND LOGGING

ROAM can consolidate user access logs from all connected CSGs. In addition, user access recordings can also be aggregated from all CSG user sessions. ROAM can also integrate with any standard Security Information Event Manager (SIEM).

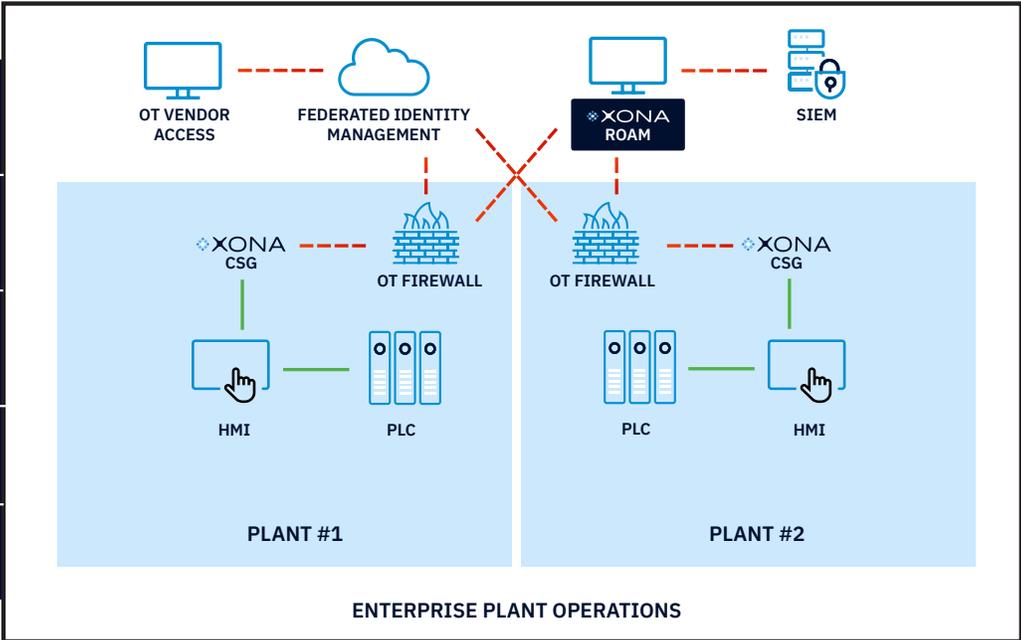


REPORT GENERATION

ROAM utilizes a template-based engine to define specific reporting parameters. Reports can be customer specific to meet regulatory requirements as well as providing detailed forensics on specific plant and/or user access.



Architecture with Purdue Model



NOTE: XONA Platform includes ROAM (Enterprise Manager) and CSG (Critical System Gateway)

XONA

Now more than ever, industrial organizations need the ability to remotely and securely access operational technology—anytime, anywhere, on any device. As the world’s first zero-trust remote operations platform for critical infrastructure, **XONA** makes this possible.

We’re trusted by power system manufacturers, industrial control system providers, and other industry giants to deliver unmatched security without slowing the speed of work.