

## Data Sheet

# CLAROTY SECURE REMOTE ACCESS (SRA)

## Simple, Highly Secure Remote Access for OT Environments

### The OT Remote Access Challenge

Remote access to OT (operational technology) environments requires balancing the needs of IT security and plant operations. From the IT security perspective, the concern is that OT remote access is high-risk: The use of privileged accounts accessing mission-critical assets from a remote location is an obviously dangerous attack vector.

On the plant operations side, the challenge is that OT staff have unique remote-access needs when compared to typical enterprise requirements. OT staff focus on keeping the plant operational and must make most remote-access decisions, including in emergency situations. However, they tend to lack IT security expertise and therefore require a solution that is operationally simple and tailored to OT workflows.

#### IT Security

- OT risk management
- Control privileged access
- Detect anomalous activity

### Key Features & Capabilities

- Purpose-built solution for remote OT administrative access
- Architecture supports highly available access to globally distributed facilities
- Simple, OT-centric console for managing access for administrators and 3rd-party support staff
- Supports all key OT remote access use cases
- Built-in workflows for access approvals and emergency access
- Local audit trail allows rapid troubleshooting

#### Plant Operations

- Locally allow 3rd party access
- Simple to operate
- Approval and emergency workflows

### IT Security & Plant Operations have competing remote access requirements

The OT remote access challenge is exacerbated when plants are distributed and geographically isolated, with limited wide-area network bandwidth. Unfortunately, most enterprise-class remote access solutions are too complex and centralized to support OT remote access.

# Claroty SRA - Purpose-Built for OT Remote Access

The Claroty Secure Remote Access (SRA) solution is purpose-built for OT remote access. Available as either physical or virtual appliances, SRA has the following key capabilities:

- **Simplicity:** Unlike enterprise remote access solutions, SRA is designed to be easy for plant staff to configure and operate.
- **Distributed:** SRA supports widely distributed plants and facilities, with both local and centralized administration.
- **OT Aware:** SRA is a tailored solution for OT use cases and workflows.

## Simplified Administrative Interface

Secure Remote Access

OT-Centric Workflows

Monitoring & Auditing

## Distributed Architecture

Claroty SRA supports all three use cases typically required for remote or third-party staff to support OT systems:

- **Web:** User accesses OT systems using standard web browser.
- **OT Application:** OT systems accessed using proprietary application on remote client device.
- **File transfer:** Movement of sensitive configuration or documentation files onto PLCs or other OT devices.

SRA leverages a single, highly secure encrypted tunnel for intra-facility communication. This greatly simplifies network firewall configurations, and is consistent with segmentation best practices, for example as required in the Purdue Model.

## Simple, OT-Centric Workflows

SRA is designed to be used by on-site OT staff, who are best positioned to authorize remote access to their facilities. The interface is tailored to the needs of OT remote access, lowering training requirements and the likelihood of configuration errors. Its simple user interface supports fast onboarding for remote users (internal or third-party) and the OT systems they need to support.

The screenshot displays the Claroty SRA Dashboard. At the top, it shows the user 'admin' with options to 'Change password' and 'Logout'. The dashboard is divided into several sections:

- Pending Requests:** A section indicating 'No sessions are pending approval.'
- Active Sessions - Web Access:** A table listing active web sessions with columns for ID, Site, User, Server, State, Started, and Length. It includes 'Open' and 'Disconnect' buttons for each session.
- Active Sessions - Application Tunnel:** A section indicating 'No sessions.'
- All Servers:** A table listing servers with columns for Name, Site, Address, Protocol, Username, Last login, and Connections. It includes search filters and 'Connect' buttons for each server.

ID	Site	User	Server	State	Started	Length	Actions
3	Central	admin	Endpoint	Established	Wed Jun 03 2020 14:14:20	3 Minutes, 48 seconds	Open Disconnect
2	Central	admin	Engineering Station	Established	Wed Jun 03 2020 14:14:03	4 Minutes, 5 seconds	Open Disconnect
1	Central	admin	WSUS Server	Established	Wed Jun 03 2020 14:12:58	5 Minutes, 10 seconds	Open Disconnect

Name	Site	Address	Protocol	Username	Last login	Connections	Actions
Endpoint	Central	34.86.109.79	RDP	user	admin, Wed Jun 03 2020 14:14:20	1 of Unlimited	Connect
Engineering Station	Central	34.86.109.79	RDP	eng_user	admin, Wed Jun 03 2020 14:14:03	1 of Unlimited	Connect
WSUS Server	Central	34.86.252.139	RDP	user	admin, Wed Jun 03 2020 14:12:58	1 of Unlimited	Connect
Splunk	Central	https://35.245.203.173	WEB	user	Never	0 of Unlimited	Connect

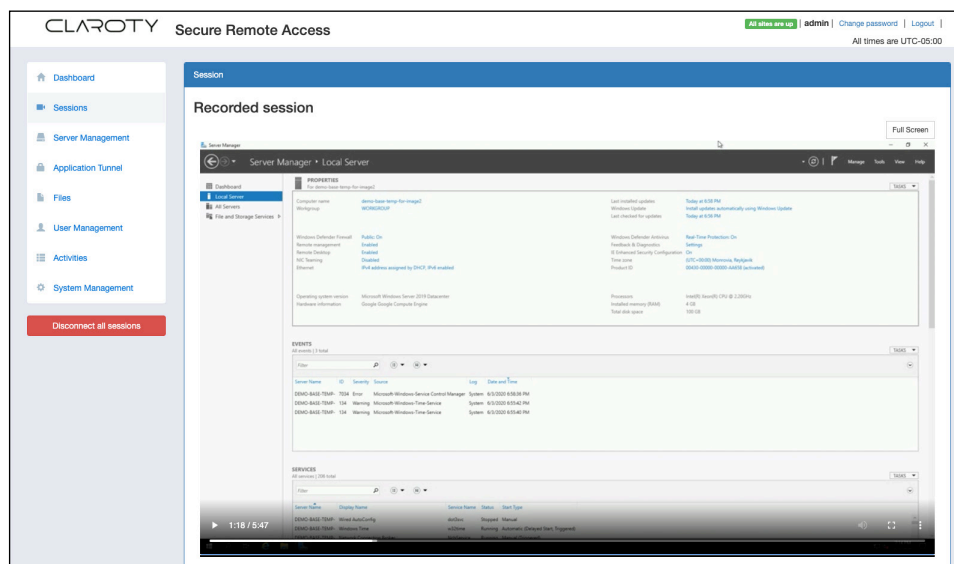
Claroty SRA Dashboard

## Comprehensive Monitoring & Auditing

Because OT remote access is so sensitive, it is mandatory to have a strong audit trail of all such activity. SRA provides a complete recording of actions taken over remote access connection. Such monitoring can either be accessed in real time ("over the shoulder") or after the fact. Crucially, the audit trail can be kept locally, where it can be used without delay on-site by the people who need it. This can eliminate issues related to exporting employee activity monitoring beyond national boundaries.

## The Clarity Platform for Complete OT Access and Security

SRA complements Clarity's Continuous Threat Detection (CTD) offering to deliver a complete OT security solution. The combined platform delivers the industry's broadest set of OT security controls, including asset discovery and visibility, vulnerability management, threat detection, and segmentation policy. With the Clarity Platform, OT and IT staff can manage risk in their OT environments with minimal training and no disruption to infrastructure and security workflows.



SRA recorded session view gives a full view of all actions taken during a remote session

## About Clarity

Clarity bridges the industrial cybersecurity gap between information technology (IT) and operational technology (OT) environments. Organizations with highly automated production sites and factories that face significant security and financial risk especially need to bridge this gap. Armed with Clarity's converged IT/OT solutions, these enterprises and critical infrastructure operators can leverage their existing IT security processes and technologies to improve the availability, safety, and reliability of their OT assets and networks seamlessly and without requiring downtime or dedicated teams. The result is more uptime and greater efficiency across business and production operations.

Backed and adopted by leading industrial automation vendors, Clarity is deployed on all seven continents globally. The company is headquartered in New York City and has received \$100 million in funding since being launched by the famed Team8 foundry in 2015.



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