

# Trusted Time™ for Zero Trust Networks

## Accurate and Precise Time Is a Foundational Element in Zero Trust Networks

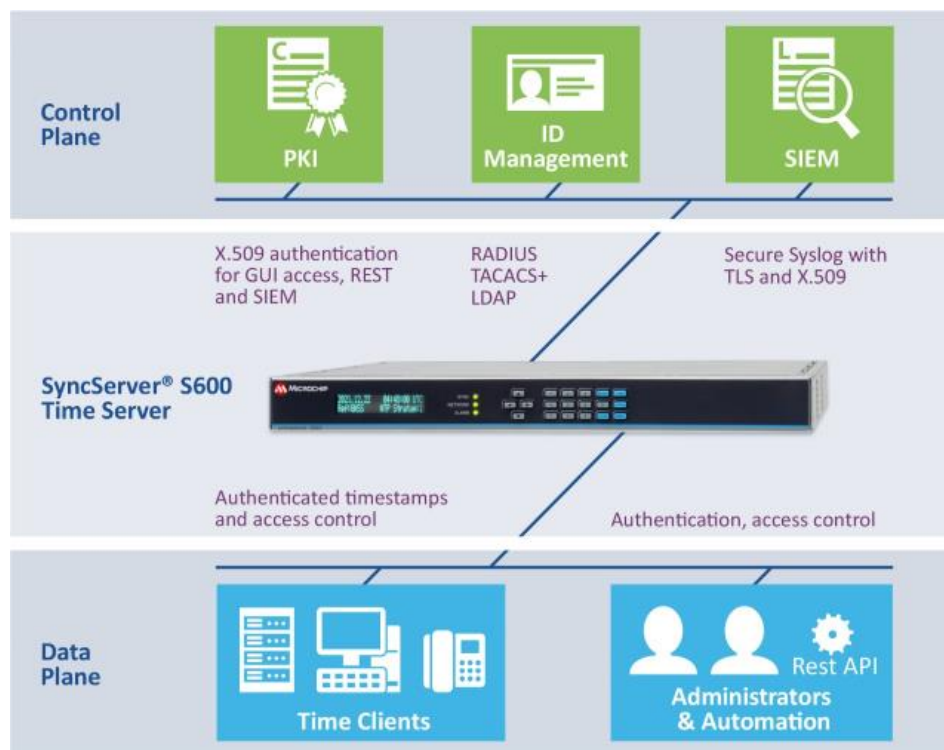
Time is central to accurate log files that define the who, what, when and where of all activity in a Zero Trust network.



Time that is accurate, reliable and secure is foundational to Zero Trust networks. Without it, authentication mechanisms will fail, essential log file timestamps will not align, Zero Trust analytics will be unreliable, forensics will be hampered and other network issues will occur.

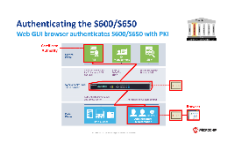

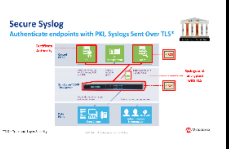
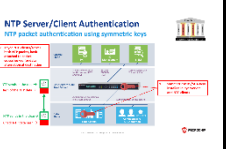
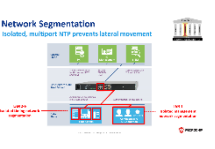
Not only must the time be correct, but the time server synchronizing other equipment like servers, routers and switches must also be compliant to Zero Trust principles and fit accordingly in a Zero Trust architecture.

As the most secure Trusted Time™ network devices, SyncServer® time servers are best suited to support Zero Trust initiatives. They ensure the security of time and its sources, as well as comply with the fundamental pillars of Zero Trust, including users, devices, network and analytics.

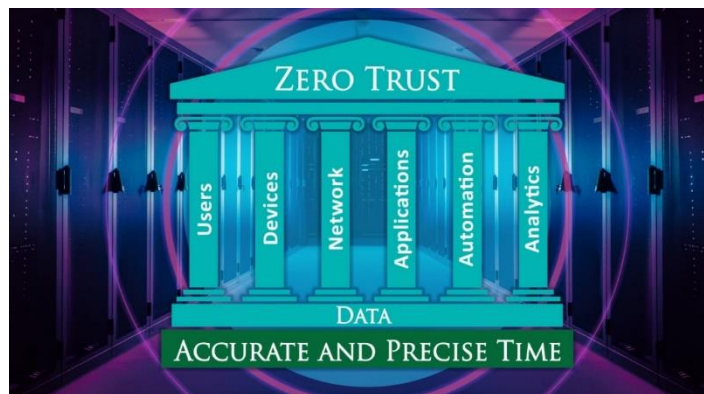


# Trusted Time™ for Zero Trust Networks

Explore SyncServer Time Server Security in a Zero Trust Architecture

 <p>Authenticating the S600/S650 Web GUI browser authentication S600/S650 with PKI</p>	 <p>User Access to S600/S650 Users/REST API authenticated with ID Management</p>	 <p>Secure Syslog Authenticate endpoints with PKI. Syslogs Sent Over TLS</p>	 <p>NTP Server/Client Authentication NTP packet authentication using symmetric keys</p>	 <p>Network Segmentation Isolated, multiport NTP prevents lateral movement</p>
Authenticate the S600/S650 With PKI/X.509	Authenticate Admins With ID Management	Secure Syslog With Peer Verify and TLS	Authenticate and Validate NTP Packets	Segment Network to Prevent Lateral Movement
<a href="#">Review Infographic</a>	<a href="#">Review Infographic</a>	<a href="#">Review Infographic</a>	<a href="#">Review Infographic</a>	<a href="#">Review Infographic</a>

Application Note on the Dual Role of Trusted Time for Zero Trust Networks



## Compliance With the Pillars of Zero Trust

Trusted Time is an essential aspect of a properly functioning and adequately hardened Zero Trust network. Without the most basic notion of accurate and synchronized time across the Zero Trust network, many of the pillars of Zero Trust will not function reliably.

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## Secure TimeSource for the Zero Trust Network

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The time server is foundational in supporting the pillars of Zero Trust networking, enabling accurate log file timestamps through secure, accurate and reliable network-wide time synchronization.

## Featured Network Time Server

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## SyncServer S600 Network Time Server

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### *High-Performance, Enhanced Security Network Time Server*

- Ultra-high-bandwidth NTP time server
- Stratum 1 operation
- Web-based management with high-security cipher suite
- TACACS+, RADIUS, LDAP, X.509, secure syslog and more
- PTP multi-port/profile output option
- Rubidium atomic clock or Oven-Controlled Crystal Oscillator (OCXO) upgrades