

# Joint Solution: Celestix Networks

Secure from the START



## RADIUS Incorporated Device Authentication

Unauthorized access to corporate networks is a rapidly growing threat. However, a joint solution from Phoenix Technologies and Celestix allows organizations to mitigate this risk by using their existing Active Directory infrastructure to ensure that only authorized devices can connect to company networks.

### Strengthening Authentication is critical

In total, unauthorized access costs organizations billions of dollars due to damages from stolen trade secrets, litigation, private information theft, network disruption, and tarnished reputations.

Password based authentication suffers from a number of significant security weaknesses:

- User IDs and passwords are often weak and easily broken by readily available password cracking tools.
- A single visit to a cunning web site, or opening a malicious email can plant code capable of stealing logon credentials including user IDs, passwords, digital certificates, and private keys.
- Attackers are increasingly calling or emailing victims and enticing them to disclose their IDs and passwords.
- Many employees with access to privileged systems share passwords or logon credentials with unauthorized individuals.

### Device Authentication from Phoenix

As organizations strive to strengthen authentication, they now have an alternative to deploying tokens or biometric based solutions. Phoenix TrustConnector™ is an easy to deploy and cost effective solution that provides device authentication, thus ensuring that only PCs or other devices belonging to, or trusted by the organization can connect to the network.

TrustConnector securely and uniquely identifies individual devices as they attempt to connect to the network thus preventing unauthorized access - even if the attacker has managed to steal or capture valid user IDs, passwords, one-time passcodes, or digital certificates and keys. Because only authorized devices are allowed to connect, intruders and attackers are kept at bay.

### RADIUS Appliance from Celestix

The Celestix RADIUS appliance interfaces with Phoenix TrustConnector, and validates that an organization recognizes a specific PC or device before granting it access to the network. Celestix is tightly integrated with Microsoft® Active Directory, so existing authentication infrastructures can be used to administer and manage the system. The Celestix RADIUS appliance authenticates most types of network access including wireless, authenticating switch, and virtual private network (VPN) connections. The Celestix appliance is suitable for small, medium and large organizations.

## TrustConnector Device Authentication

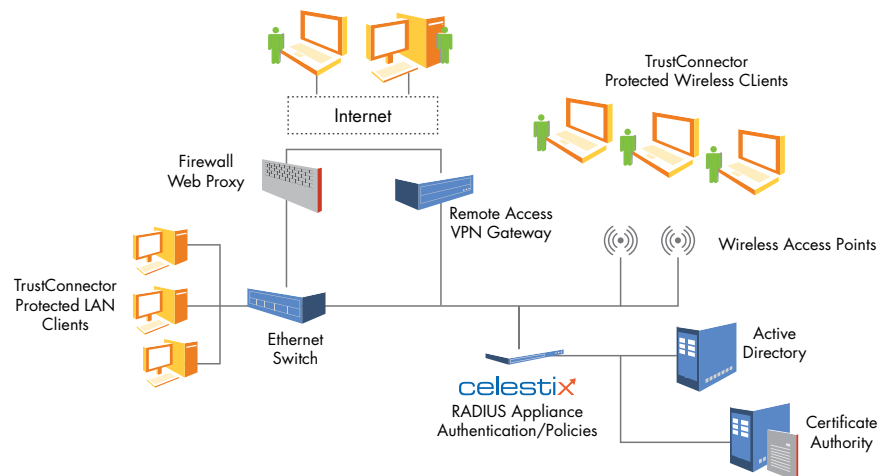
- Allows enforcement of a device-specific security policy
- Provides strong, tamper-resistant storage of user credentials
- Seamless integration with Celestix
- Easy to deploy and manage
- Installs on new or existing machines
- Delivers the promise of trusted computing today!

## TrustConnector Advantage: Hardware Security

To establish device authentication, TrustConnector generates a unique device key bound to the PC's BIOS and hardware attributes. Unlike software only solutions, copied, shared, or stolen keys and certificates will not function on other PCs.

## Celestix RADIUS Appliance

- System hardened RADIUS appliance
- Wizard based deployment in less than 15 minutes
- Seamless integration with Microsoft Active Directory
- High availability support
- Web GUI for management, deployment, reporting, alerting and monitoring
- One button system recovery to factory default
- Equipped with Microsoft IAS (Internet Authentication Service)
- User-level reporting
- Application layer filtering for enhanced security
- Supports variety of authorization methods include DNIS, ANI/CLI, Guest authorization.
- Supports variety of authentication methods include CHAP, MS-CHAP, MS-CHAP v2, MD5 and EAP-TLS.



## Secure from the START

Phoenix Technologies is a global market leader in device-defining software that enables endpoint security from the start. The company first established dominant industry leadership over 25 years ago with BIOS software. From this unique foundation of core level expertise and firmware offering the highest levels of reliability, Phoenix has created a portfolio of innovative software products that simply and easily identify and restore devices, thereby assuring users unparalleled endpoint security and availability.

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