SecurSSO

Bringing Single Sign-On Security and Convenience to HPE NonStop Environments

For years, organizations, have struggled to keep tight reigns over security, while at the same time ensuring authorized users get convenient access to the resources they need to do their jobs. Single sign-on (SSO) solutions have represented a significant leap forward in meeting both of these objectives, but, for organizations running HPE NonStop in heterogeneous environments, offering end users true single sign-on convenience wasn't an option. Now, organizations can integrate HPE NonStop platform access with their existing Windows authentication framework, delivering true SSO convenience to users, while simultaneously boosting security and streamlining security administration.

Key Features

- **Flexible deployment,** through support for Microsoft Active Directory and other Kerberos-based SSO solutions.
- **Access reliability** by eliminating the Active Directory server as a single point of failure for NonStop access.
- **Auditing and remediation** support through capabilities for correlating a TACL user or alias with an Active Directory user.
- **Optimized connection security** through support for both user and host authentication.
- **Transparent re-authentication** for timed-out user sessions by leveraging the Windows credential cache.

Requirements

- **NonStop:**
  HPE NonStop SSH or comforte SecurSH. HPE Open System Services (OSS)
- **Windows:**
  SSH client supporting RFC 4462 via SSPI, such as MR-Win6530; J6530; SSH Tectia;
  Bitvise Tunnelier; or PuTTY (modified version).

Purpose

With SecurSSO, users can log onto HPE NonStop Servers through their existing Windows credentials, and gain single sign-on access to all authorized applications, including TACL and other NonStop services. SecurSSO supports SSO-enabling BASE24 "Classic" out of the box.

Features

Combined with HPE NonStop SSH or comforte's SecurSH product, SecurSSO represents a true SSO solution, eliminating the need for end users to enter a NonStop user name and password to log on to TACL or other services. SecurSSO provides a range of important features:

Kerberos support. SecurSSO offers support for the Kerberos network authentication protocol, which enables broad integration with many prevalent SSO solutions, including Microsoft Active Directory. The comforte SecurSSO product supports Kerberos via the GSS API. Together with comforte's MR-Win6530, or any other SSH client with GSSAPI support, SecurSSO enables users to log onto HPE NonStop Servers through Windows domain authentication and Active Directory accounts.

Robust authentication. SecurSSO provides support for both user and host authentication. In addition, the solution can be extended to authenticate other services than TACL, for instance access to a Web server or application.

Auditing and remediation support. When SecurSSO is deployed, organizations retain the full visibility they need for security auditing and remediation. For example, both the SSH database and the SSH audit log contain information that allows administrators to correlate a TACL user or alias with an Active Directory user.

Highly available access. With SecurSSO, the reliability of user access is not compromised by a single point of failure. With SecurSSO, there is no requirement for a direct network connection between the NonStop system and the Microsoft Active Directory Server. Consequently, even if Active Directory is unavailable, users can still logon to the NonStop server. If the user's Windows workstation still has a valid Kerberos ticket for NonStop server access in the local ticket cache, then the authentication will be performed without any interaction with the Windows Domain Controller. Otherwise, other authentication methods, such as regular password authentication, can be employed if configured on the NonStop server.

SecurSSO

comforte 21 GmbH, Germany
phone +49 (0) 611 93199-00
sales@comforte.com

comforte, Inc., USA
phone +1-303 256 6257
ussales@comforte.com

comforte Asia Pte. Ltd., Singapore
phone +65 6818 9725
asiasales@comforte.com

comforte Pty Ltd, Australia
phone +61 2 8197 0272
aussales@comforte.com

www.comforte.com

Benefits

SecurSSO integrates NonStop Servers with Microsoft Active Directory and other Kerberos-based SSO environments to provide the following benefits:

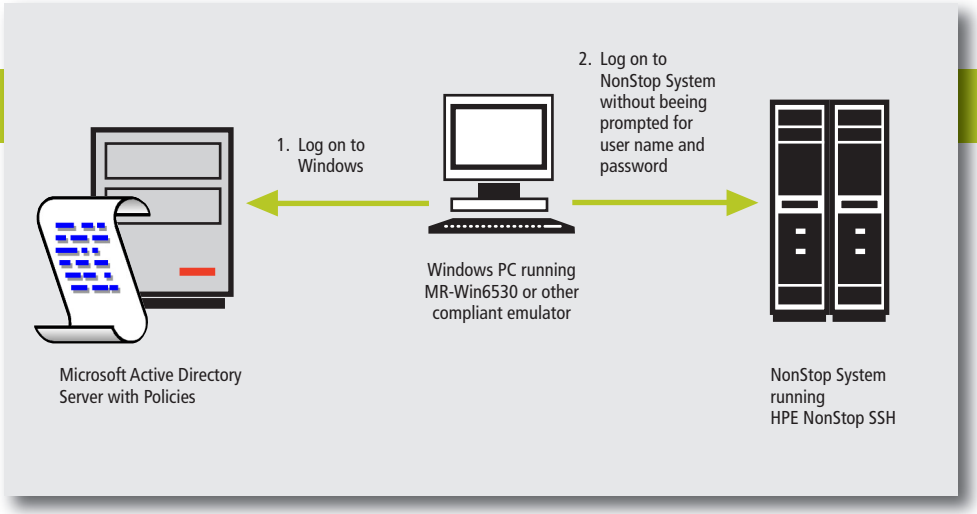
Strengthen security and compliance. With SecurSSO, Active Directory password policies and access control mechanisms are enforced for NonStop logons, ensuring more consistent adherence with corporate security policies and procedures. The product also enables utilization of any existing strong authentication mechanisms for the Windows initial logon, such as smart cards or one-time passwords.

Streamline security administration. By aligning HPE NonStop with the rest of the IT security infrastructure, SecurSSO dramatically streamlines security administration efforts. The product simplifies both user and server authentication, which can reduce help desk inquiries, as well as password or key management burdens for both users and support organizations. Finally, rather than introducing another system that must be maintained, SecurSSO enables centralized policy administration through an organization's existing SSO solution.

Leverage existing investments. With SecurSSO, organizations can more fully leverage their existing investments in Active Directory and any other Kerberos-based single sign on solutions.

Boost user productivity. SecurSSO represents a true SSO solution, meaning users can reduce the time and hassle of having multiple logins for disparate systems, and so be more productive. Plus, organizations can minimize the lost productivity associated with forgotten passwords, and eliminate the need for NonStop users to manage or verify SSH host keys.

Architecture



With SecurSSO, when a user logs onto their PC using Microsoft Active Directory, a Kerberos Service Ticket can be used to login to the NonStop system, without requiring the user to repeat his or her credentials.

comforte

For distribution partners in your region visit comforte's homepage www.comforte.com