



RAPID SECURITY ASSESSMENT

March 2022

Overview

The Rapid Security Assessment will evaluate the target NonStop server and provide a security report highlighting risks and compliance status.

The NonStop component to generate data for the report is called Quick Security Scan (RSS). This is a lightweight program that provides a high-level view of a NonStop server's basic system security. RSS is a single executable file with nothing to install.

The RSS program examines over 100 security-related attributes, such as Safeguard configuration, SSH/SSL status, and file security. For each attribute examined, a is returned, based on whether the attribute conforms to NonStop and enterprise security best practices. No customer data is accessed, reviewed, or delivered.

Depending on the RSS results and a customer's security requirements, a more in-depth security review may be warranted

The RSS tool is delivered as a platform specific binary and returns no specific data other than operating system release and hardware configuration.

Sample output:

```
Rapid Security Scan 1.0 - Mar  2 2022   System \NONSTOP9
(C) XYPRO Technology Corporation 2022 (security.report@xypro.com)

=====
SYSINFO
=====

Node name:                \NONSTOP9
EXPAND node number:      200
Current SYSNN:           SYS40
System serial number:    078999
OS Release:              L21.06.00
Enabled IPU's in a CPU:  2
Physical IPU's in a CPU: 2
Physically present CPUs: 2
Core licensing support:  Yes
Virtual system:          No
CPU memory:              32 GB
System name:             NS3 X1
Processor full name:     HPE Integrity NonStop X NS3 X1 CPU
Brand:                   Intel(R) Xeon(R) CPU E5-2603 v2 @ 1.80GHz
NSDC enabled:            No

=====
return values:
=====

9223371873578926079 126157938687
```

The complete set of values is returned as numeric string (the “Return Values”), which is then used by HPE and XYPRO to evaluate the NonStop server’s security status and generate a report for the customer.

Technical details

RSS must be run under a PAID with access to Safeguard.

The program uses the Safeguard and Pathway SPI interfaces to examine these subsystems. The remaining values are gathered from the Guardian and OSS filesystems.

The only file the program examines directly is \$SYSTEM.ZTCPIP.PORTCONF. This file is opened for READ ONLY access.

Instructions

1. Upload the object to the target NonStop system in binary. Make sure to choose the proper target binary for the operating system.
2. Type **run RSS** to execute.
**The program must be run as a user with complete READ access to the Safeguard configuration (e.g. SUPER.SUPER, the security admin user or a member of the SECURITY-AUDITOR group).
3. Copy the entire output and email results to: **security.report@xypro.com**
4. After receiving email with the output, XYPRO will provide a report to HPE summarizing the results.