Georgia SoftWorks
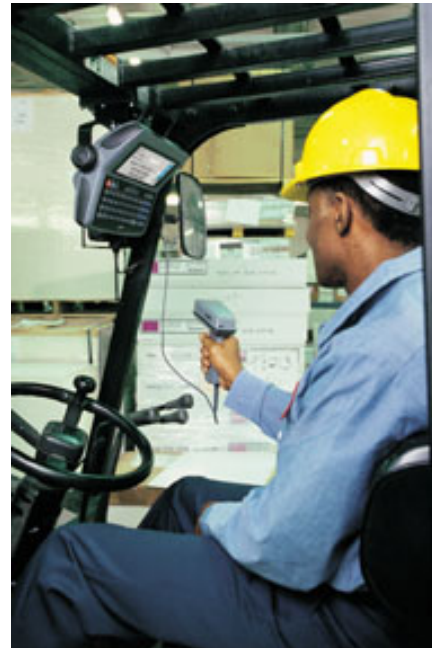
Providing server products that help you maximize the return on your investment in

SAP AG's SAPConsole

Product Overviews

GSW Telnet Server

GSW SSH2 Server

GSW Rocket Terminal Engine

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GEORGIA SOFTWORKS INDUSTRIAL GRADE SERVER PRODUCTS

FOR USE WITH SAPConsole

GSW Telnet Server

The Universal Terminal Server foundation for the Telnet Server and the SSH2 Server offers these features below and many more!

- Specialized printing method allows SAP Print Jobs to be redirected to mobile printers

- Display SAP Username in GS Administrator when used with GSW Rocket Terminal Engine.

- Automatically launch SAPConsole upon connection

- GSW SSH2/Telnet Clients included at no Extra Cost—Big Savings!

GSW Mobile Clients	GSW Desktop Clients

- Windows CE .NET 4.2
   • Psion-TEKLOGIX 7535, 8525
   • LXE MX3, Intermec CK30
   • Symbol MC9060G
- Pocket PC 2002 (*Telnet Only*)
- Pocket PC 2003
	Windows 98/ME
	   - Windows NT 4.0
	   - Windows 2000, 2003
	   - Windows XP

GSW SSH2 Server

Keep it Secure, Simply

Do Not Rely On Weak Security

When your SAP data has to be secure

In **addition** to the features provided by the Universal Terminal Server foundation the GSW SSH2 Server offers-

- Complete Data Stream Encryption

  AES-256, 3DES, BLOWFISH and other Ciphers Supported

- Secure Remote Login

- Secure Access to your application (Secure Data Access)

- Data Integrity

GSW ROCKET

TERMINAL ENGINE

- Automatic Logon to SAPConsole

- Full support of SAP Profiles

- Full support for SAP Bell feature

- Increased reliability

- Increased performance

- Very large number of sessions

Powerful Features ONLY available with the Rocket Terminal Engine.

Incredible Performance: Reduce the number of servers required. Obtain a crisp response with hundreds of sessions!

- Adjusted Logon and Logoff Screen Size

- Configurable Screen Sizes

- Capability to adjust off screen fields back on-screen

- Flexible translation of screen attributes with powerful new options not available in the SAPConsole VTIO engine.

- Specify Auto-Tab and Auto-Enter fields with GSML

GSW Universal Terminal Server

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What is the GSW Universal Terminal Server (UTS)?

The Georgia SoftWorks Universal Terminal Server is the industrial quality software foundation supporting the suite of GSW server products including the GSW Telnet Server, the GSW SSH2 Server, the Session Administrator and numerous remote access utilities.

What is the difference in the GSW Universal Terminal Server (UTS), the GSW Telnet Server, the GSW SSH2 Server and the GSW Rocket Terminal Engine?

The **GSW UTS** is a set of software modules that provide most all features of the GSW Telnet Server and SSH2 excluding features that relate directly to the Telnet Protocol or SSH2 protocol. The GSW UTS is *not a product* but a software foundation used for GSW Telnet and SSH2 products providing common reliability, robustness and features.

When the GSW UTS is coupled with the GSW Telnet Protocol it is deployed as the **GSW Telnet Server** product. The GSW Telnet Server is offered on a per server basis where the price is based on the number of concurrent or simultaneous sessions desired on the server. Subscription (Maintenance) plans are available providing access to free version upgrades and priority technical support.

When the GSW UTS is coupled with the GSW Secure Server 2 Protocol it is deployed as the **GSW SSH2 Server** product. Typically the deployment method for the GSW SSH2 Server is by applying the GSW SSHield Protocol and Application Interface Installer to the GSW Telnet Server. The GSW SSHield disconnects the Telnet Interface from the UTS and Installs the SSH2 Protocol Interface. Version 6.50+ of the GSW Telnet Server can be upgraded to the GSW SSH2 Server.

The GSW SSH2 Server is offered on a per server basis where the price is based the number of concurrent or simultaneous sessions desired on the server.

Special Packages of the GSW Telnet Server SSH2 Server are offered to SAPConsole customers that include

- One copy of the GSW Telnet/SSH2 Server for a Production System

- One copy of the GSW Telnet/SSH2 Server for a Backup System (Only to be used in failure situations.)

- One copy of the GSW Telnet/SSH2 Server with 8 Sessions and a Floating License for use on a development system.

The **GSW Rocket Terminal Engine (RTE)** is an add-on component for SAPConsole that boosts performance and includes powerful features needed to achieve operational objectives in demanding commercial and industrial environments. The RTE is a replacement VTIO Engine that seamlessly interfaces with the GSW Telnet Server and GSW SSH2 Server providing a performance level and features never thought possible with SAPConsole.

The Rocket Terminal Engine is offered as a stand-alone product or coupled with the GSW Telnet Server or GSW SSH2 Server called Rocket Packs**.**

GSW Universal Terminal Server

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SAP AG's SAPConsole

The GSW Universal Terminal Server provides the performance, reliability and consistency required for use with SAP's SAPConsole in demanding industrial and commercial environments

Additionally the GSW UTS provides advanced features (common to the GSW Telnet Server and SSH2 Server) that will meet or exceed expectations allowing you to maximize the return on your investment in SAPConsole.

Some GSW features and items of Interest for SAP AG's SAPConsole users.

GSW UTS (Telnet Server and SSH2) Platforms

UTS—Windows NT 4.0, Windows 2000, Windows XP, Windows 2003

UTS Desktop Clients— Windows 98, ME, NT 4.0, Windows 2000, Windows XP, Windows 2003

UTS Mobile Clients—Pocket PC 2003, Pocket PC 2002, Windows CE .NET V4.2

GSW Rocket Terminal Engine Platforms

Windows NT 4.0 SP4, Windows 2000, Windows XP, Windows 2003

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GSW Session Administrator

The GSW Session Administrator provides many features and utilities and is available from the console, or via SSH2/Telnet. A command line interface is also provided. Some of the capabilities are listed below.

Session Monitoring And Session Shadowing

Monitoring allows you to connect to an existing Telnet or SSH2 session and observe the screen activity exactly as it appears to the user of that session. This can be done via Telnet/SSH2 from the convenience of your office or any location that is valid to connect to the server.

This is a very useful feature in a variety of situations. For example, a new floor worker needs help. Instead of leaving your office walking across the warehouse or chasing down a forklift you can shadow their session and see exactly what is happening and provide help over the telephone. You don't have to rely on the users description of what is happening, you can see it with your own eyes! Monitoring can also be used for QA purposes, verifying the activity and correctness of entries.

Shadowing is similar to Monitoring with the addition of allowing *interactive input* to the session. You can actually enter data as if you were at the actual client device. If a user gets in a situation where they need help and verbal instructions are not appropriate, you can actually help them from your location. Instead of saying "try this, try that," etc., you can just Shadow the session and quickly get things going for the worker.

Monitoring and Shadowing are features pioneered by Georgia SoftWorks for Telnet and SSH2 Servers.

Broadcast Text Messages to one or all sessions

Broadcast text to one or all sessions. This is useful when the system administrator needs to communicate with users. Instead of physically contacting each user the administrator can send a broadcast message to the users. This is often done for system maintenance notification or similar activities. You can also use your favorite scheduling software to send broadcast messages at predetermined times.

Session Status Information

View session status information such as Windows User Name, UP Address, Process ID, Login Time, Number of Users, Connection Status etc. The SAP User name is displayed when the GSW Rocket Terminal Engine is installed. The information can be sorted to display the information to suite your needs.

GSW Universal Terminal Server

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Emulations / Compatibility

Below are some items that make the GSW Universal Terminal Server…..Universal. The GSW UTS emulations and compatibility features enable operation with the widest range of RF Devices, Applications and Operating Systems possible

GSW SSH2/Telnet Server supports a wide variety of terminal emulations to work with most all RF Devices running 3rd Party SSH2/Telnet clients. Of course the emulations are robust and implemented correctly. Some valued emulation features include support for the Alt key, Function Keys, Control-C, and Special Characters.

- DEC VT100/220/320/420
- SCO Console
- Wyse 50/60
- IBM 3101, IBM 3151

GSW Clients employ Perfect PC emulation and provide extra features beyond normal terminal emulations such as Mouse Support, Functions Keys, etc.

Automatic Screen Sizing

The Displays for RF devices are not always the same size. The GSW UTS has the capability for automatic screen size adjustment upon logon.

Multi-Language Support—Unicode—UTF-8 Encoding

International Business Important?

The GSW SSH2/Telnet Server provides the input and output character processing support required for International Business operates with 3rd Party clients that support UTF-8 Encoding. All GSW Clients support UTF-8 Encoding.

ARABIC	GEORGIAN	ICELANDIC	QUEBECIOS	TURKISH
ARMENIAN	GREEK	JAPANESE	RUSSIAN	VIETAMESE
CHINESE	HEBREW	KOREAN	SPANISH	YIDDISH
CZECH	HINDI	POLISH	THAI	*And many more!*

Compatibility Features

Color Remapping—Color to Grayscale, Color to other colors, etc.

Character Display Translation—Translate characters to other characters or strings of characters.

Terminal Initialization— You may have a special situation where you need to send terminal initialization strings. GSW provides this capability.

Full DOS Legacy Support

DOS Character Mode Color Graphics— All 256 color combinations are supported.

Mouse Support with the GSW Clients— It's True!

GSW Universal Terminal Server

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RF Terminals and Barcode Scanners
with GSW UTS and SAPConsole

The GSW SSH2/Telnet Servers work well with RF Wireless Systems, Barcode Scanners and in particular handheld and vehicle mount devices. By using SSH2/Telnet the RF application developer is able to create more generalized applications that will easily work with a variety of manufactures hardware. In addition to development and maintenance cost savings for application developers, this added flexibility allows heterogeneous systems to exist so that customers can use existing hardware.

Georgia SoftWorks is committed to providing the best SSH2/Telnet RF Terminal / Barcode Scanner Solutions for the SAPConsole users. Actively interacting with RF device manufactures, third party client developers, resellers, customers and SAP provides GSW with valuable input to help ensure that we are successful with our commitment.

- Performance. Fast, Fast, Fast!

- Logon Scripting to automatically launch your application upon connection.

- **Session Saver** – After client or link failures reconnect to a Saved session and resume work in progress exactly where you left off!

- **Automatic Logon** – Quickly re-establish the session by pre-configuring the Host, Domain, User Id and Password. When coupled with Session Saver you are back in operation with minimal time lost!

- Environment variables to eliminate most prompting.

- Refresh the screen by entering "<ctrl> R.". Many times RF systems may drop a packet of data and the screen will need to be refreshed.

- Set screen size to accommodate screens smaller than 25 x 80.

- Extremely flexible Color to Monochrome and Color to Grayscale mappings.

- Multiple Levels of failure detection, including configurable timers.

- Pass-through Printing.

- Custom SAP Print Mode for printing to mobile printers

RF Devices Using Sleep Mode

If the RF devices are using a power save or sleep mode then the GSW SSH2/Telnet Server can be configured such that the sessions associated with the 'sleeping' device are not disconnected.

Configurable TCP Receive Window Size and TCP Maximum Retransmission Count

GSW Universal Terminal Server

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Georgia SoftWorks provides Mobile Telnet and SSH2 Clients for use with SAPConsole

Works Great with SAP's SAPConsole

and GSW's Rocket Terminal Engine

Continue To Use Existing Devices while migrating to Windows CE .NET 4.2 Devices

GSW provides mobile SSH2/Telnet clients for PPC 2002, 2003 and CE .NET 4.2 class devices for use with GSW server products.

	GSW SSH2 and Telnet Mobile Clients			GSW DESKTOP Clients	3rd Party Mobile Clients
	CE .NET 4.2	PPC2003	PPC2002		
GSW Clients at No Extra Cost – Big Savings	✓	✓	✓	✓	NO
Automatic Updates	✓	✓	✓	✓	NO
Unicode Support for Multinational Character Processing	✓	✓	✓	✓	NO
Telnet Clients – Encryption (Yes, it's TRUE)	✓	✓	✓	✓	NO
Mouse/Stylus Operation	✓	✓	✓	✓	NO
Client Side Heartbeat	✓	✓	✓	✓	NO
Answerback Text	✓	✓	✓	✓	Rare
File Transfer between Client and Host	✓	✓	✓	✓	NO
Full Support of DOS Color Mode Character Graphics	✓	✓	✓	✓	NO
Full Function Key Support	✓	✓	✓	✓	NO
Correct Display of ALL Special Characters	✓	✓	✓	✓	NO
Alt-Key Support	✓	✓	✓	✓	NO
SSH2	✓	✓	NO	✓	Available
Configuration Protection/Lockout	✓	NO	NO	NO	NO
Default Connection	✓	NO	NO	NO	NO

The following quality devices have been verified IN-HOUSE by GSW Engineering for correct operation and compatibility with GSW Server Products using GSW Mobile SSH2/Telnet Clients for Windows CE .NET 4.2

PSION-TEKLOGIX 7535	PSION-TEKLOGIX 8525	LXE MX3X	Symbol 9060G	Intermec CK30

GSW Mobile Clients also provide –

Configuration Persistence across cold/warm boots
Application Persistence across cold/warm boots

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GSW Universal Terminal Server

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SECURITY—UTS

The GSW UTS offers the absolute best security available.

Connection Restrictions

The System Administrator has enormous flexibility in restricting connections to the server. The System Administrator can restrict connections to the server on almost any criteria.

- User Name

- IP Address

- Connection Count

- Connection Count By User ID

- Connection Count by IP Address

- Client Type (GSW Client or Third Party Client)

- Time of Day

- Users can also be restricted to a specific application.

Encryption—GSW Telnet Server

The GSW Telnet Server offers complete data stream encryption when using GSW Telnet Clients. Two levels of encryption are available—a 40 bit encryption and a strong 128-bit encryption.

Of course this includes encryption of Logon data (User Name, Password, etc.).

Expired Password Handling

The GSW UTS provides correct and expected handling of expired Windows User passwords.

The GSW UTS is integrated with Windows NT/XP/2000/2003 security adhering to native security that already exists on these operating systems.

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SECURITY— GSW Secure Shell (SSH2) Server

The GSW SSH2 Server offers strong End to End security that can meet or exceed your expectations. In addition to the security provided by SSH2 you also benefit from the features and performance of the GSW UTS.

Secure Remote Logon—*All logon Data is Encrypted, No Clear Text is Transmitted.*

The GSW SSH2 server only allows connections from SSH2 clients. This ensures that all user data is encrypted prior to leaving the local client device. The data is decrypted at the remote GSW SSH2 Server. This includes authentication data such as the *username* and *password* that is required to Login to the remote server. The SSH2 connection ensures that the Login and Authentication data is encrypted so that a malicious party can not intercept the sensitive information.

Secure Access To You Application (Secure Data Exchange)

Since the connection between the SSH2 client and the GSW SSH Server is encrypted, the data transmitted is not readable by unauthorized parties. When the User is authenticated, a shell is started (cmd.exe), where the user can perform remote command execution or start applications. All data transmitted between the client and the server is encrypted. No one can "snoop" the connection and intercept clear text data because no clear text exists!

Data Integrity—*You can't overlook data integrity if you are serious about security!*

Data Integrity is essential for secure data exchange. The data received must be exactly the same as the data sent; otherwise an unauthorized party may have modified the data during the transmission. The SSH2 Transport layer ensures that the data received has not been modified from the data sent. This is accomplished by including a message authentication code (MAC) with each packet transmitted. The MAC is determined prior to encryption using the contents of the packet, a "Shared Secret" between the SSH2 client and SSH2 server and a packet sequence number.

Encryption—GSW SSH2 Server defaults to the strongest encryption available.

AES-256 is the generally accepted strongest encryption standard offered by SSH2 – it is the Advanced Encryption Standard using a 256 bits cryptographic key. This is also known as the Rijndael algorithm which is a symmetric block cipher capable of using cipher keys that have 128, 192 and 256 bit lengths to process data blocks of 128 bits. Of course other ciphers such as Blowfish and 3DES are supported.

Ease of Use— (KISS) Keep It Secure—Simply

No configuration is required beyond installation of GSW SSH2 Server to operate, providing secure logon and data integrity. Get your application up and running in a secure environment FAST, without forsaking performance or compromising the desired security.

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Common Questions and Answers

When using RF Terminals and Barcode Scanners with GSW UTS and SAPConsole

Q I do not want the RF Terminal user to have to perform multiple steps to get into SAP-Console. The only step I want them to do is to connect to the host and logon. Is that possible with the GSW SSH2 Server or Telnet Server?

Yes, Logon scripting is used to automatically launch SAPConsole when the user logs on. Logon Scripting is flexible as you can configure a different logon script for each user name if needed. You may also configure different logon scripts based on the client IP address and you can configure global logon scripts that apply to all connections that do not have *user* based or *ip* based logon scripts configured.

Q What if I do not even want the User to enter their user name or password. I just want them to connect to the host?

GSW has several ways to address this item.

The Automatic Logon Feature allows the System Administrator to configure a table of IP addresses that are associated with Usernames, Passwords and Domains. When a connection is established by a client from an address in the table the SSH2/Telnet Server automatically logs the user on. All the user has to do is to launch the client and select the host. A moment later they are in SAPConsole.

Another available method when using GSW Clients is using client command line parameters specifying the User Name, Password and Domain, and Host when establishing a connection. With this option the user only has to launch the client. A moment later they are in SAPConsole without having done anything else.

Q When the User exits from SAPConsole I do not want them to be able to navigate around the server, possibly exposing sensitive information or accidentally getting into trouble. How can that be prevented?

Again Logon Scripting is used to address this concern. Each script can be created to terminate the SSH2 or Telnet Session when SAPConsole is exited.

Q The User still has to log on to SAP. If that step were automated it would reduce complexity, save steps and time every time someone connected. Multiplied by 100+ users several times a day the savings become significant. It there any provision to address this task?

Yes, but you need the GSW Rocket Terminal Engine to Automatically Logon to SAP. When Automatic Logon with the SSH2/Telnet Server is used in conjunction with Automatic Logon to SAP feature of the GSW Rocket Terminal Engine the User connects to the host and a moment later they are logged on to SAP ready to begin working.

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Failure Detection and Recovery

For Industrial applications excellent failure detection and recovery is expected and required. This is one area that separates the toys from the tools.

The ability to operate in industrial and commercial environments was a design goal from the beginning not an afterthought.

Commercial applications require that remote link, PC and Client failures be detected and handled so as not to impact the other users of the system.

Session Saver

This feature Saves the Telnet/SSH2 Session in the event of a link or client failure and allows users to reconnect to the same session the next time they log in and *resume the work in progress, exactly where they left off.*

Extremely useful when connectivity is across the Internet or with Radio Frequency Barcode/ Scanner applications where it is important to continue work in progress, even after a connectivity failure. If a reconnection is not performed within a specified time period then Graceful Termination will initiate. For the fastest reconnection and minimal prompting you may want to couple the Session Saver with AutoLogon

Multiple Failure Detection Timers and Algorithms

The GSW Server Product use configurable timers for monitoring client wellness. These include monitoring frequency, inactivity time and GSW client heartbeats. Additional algorithms are used to determine the status of the link and the monitoring of other networking problems that may occur.

Complete Session Cleanup

The Georgia SoftWorks UTS for Windows NT/XP/2000/2003 provides features that ensure that all SSH2/Telnet sessions are properly terminated, even during abnormal client and link failures. Many internal session cleanup methods are automatic; others are configurable using the different Inactivity and Heartbeat timers, termination strings and scripts. Properly terminating telnet sessions ensure that all sessions are available for use and that problems do not accumulate over a long term.

GSW Universal Terminal Server

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SAP AG's SAPConsole

GSW UTS Features at a Glance

The GSW UTS is the core server software module that is the foundation for the GSW protocol and application interfaces such as Telnet and SSH2.
Products based on the GSW UTS demonstrate the reliability, flexibility, consistency, performance and rich feature set required for demanding commercial environments.

Emulations/Compatibility Pack

- DEC VT100/220/320/420, SCO Console, Wyse 50/60, IBM 3101, IBM 3151
- Perfect PC
- Mutli-language Support: Unicode - UTF-8 Encoding
- Settable Screen Size
- Color Re-mapping, Character Display Translation
- **Telnet** - RFC 854 Compliant. Works with 3rd Party Clients
- **SSH2** – Works with 3rd Party SSH2 Clients

Security Pack

- **Telnet** - *The only secure Telnet Server*
    Encrypted Login and Data Stream with GSW Clients
    (40 Bit or Strong 128 bit encryption available)
- **SSH2**
    VERY strong Login and Data Stream Encryption
    (AES-256, 3DES, Blowfish and others)
    Secure Remote Login, Secure data Exchange, Secure Access to Application
- Restrict User to an Application
- Optional connection restrictions Restrict by:
    - User ID, IP address, Session Count and TOD
- Integrated with NT/XP/2000/2003 Security

Legacy Pack

- Full DOS Legacy Support, Mouse
- DOS Character Mode Color Graphics
- Function Keys, Special Characters
- Automatic Screen Sizing
- Alt key support for all emulations

GSW Super Clients Pack - *No Extra Cost – BIG SAVINGS!*

- GSW SSH2/Telnet Desktop Clients
    Perfect PC Emulation for Windows 98/ME/NT/XP/2000/2003+
- GSW **SSH2** Clients for Mobile Devices
    Pocket PC 2003, and devices using
    Windows CE .Net 4.2 including - Intermec CK30, LXE MX3X,
    Psion-Teklogix 7535, 8525, Symbol MC9060G
- GSW **Telnet** Clients for Mobile Devices
    Pocket PC 2002, Pocket PC 2003 and devices using
    Windows CE .Net 4.2 including - Intermec CK30, LXE MX3X,
    Psion-Teklogix 7535, 8525, Symbol MC9060G
    GSW SSH2/Telnet Clients provide these capabilities:
    File Transfers, Encryption, Automatically Upgrade Client to Match UTS Server
    Version, Execute Commands on Client from within SSH2/Telnet, Mouse Support,
    Enhanced Client Side Printing, Automatic Logon, and much much more!

Failure/Recovery Pack

Multiple Advanced Failure Detection/ Recovery Technologies
- Complete Session and NTVDM Cleanup
- Server Side Inactivity Timer, Client Side Heartbeat
- Session Saver
    Quickly re-establish the session and resume work *in progress* after link or
    client failure
- Graceful Termination
    Upon abnormal termination of Client
    On Link or Remote Computer Failure

Applications

- Legacy Applications
- Remote Administration
- Application Server Programs
- Custom Applications

RF Devices and Barcode Scanners

LXE PSION-TEKLOGIX SYMBOL INTERMEC TEKLOGIX Unitech and others!

Industries

- Automotive
- Government
- Inventory
- Manufacturing
- Military
- Medical
- Pharmaceutical
- Research
- Retail
- Travel
- Service
- Warehousing
- Many Others!

Session Administrator

- Session Monitoring
    Identify an active user session to monitor and observe dynamic screen
    activity exactly as it appears to the other user
- Session Shadowing
    Monitoring with the added capability of interactive input!
- Attach to Sessions
- Broadcast Text to one or more sessions
- Terminate User Session
- Obtain sessions status information
    *Windows User Name, IP Address, Process ID, Monitor
    ID, Login Time, Number of Users, Connection Status and Version
    Also displays SAPUser name when Rocket Terminal Engine is installed*
- Command line options
    Use for manual or programmatic execution of GS_Admin features

Power Feature Pack

- Automatic Logon
    *Accelerate User Logon: No prompting for Username or Password
    Safe, no password transferred across network*
- True Client Side Printing
    *Print to Portable Bar Code Printers
    Pass-through printing
    Print to the most convenient printer
    Special SAPConsole print method*
- Special refresh character (user definable)
- Event Logging
- Logon Scripting - Global, User or IP Address based
    *Application automatically launches upon user connection
    and drops user into the application*
- *Termination Scripting*
    Automatically run application upon session termination
- *Programmatic Interface*
    Programmatically take control of Input/Output to/from client
- Optimized interface with GSW Rocket Terminal Engine

Utility Pack - Perform Amazing Tasks via SSH2/Telnet

- File Transfers via SSH2/Telnet
- Change Password
- Remote Reboot/Shutdown, Remote Registration
- Special Bell Processing
- Connection Banner
- Configurable Port Numbers
- Configure up to 100 ports for Telnet
- Execute commands on the client from a SSH2/Telnet session
- Launch a GUI program from a a SSH2/Telnet session

Performance Pack

- Fast, Fast, Fast
- Highly optimized source code, developed with modern tools
- Developed specifically for Windows. Not a "quick port"
- Connect hundreds of sessions!

Georgia SoftWorks Universal Terminal Server Deployment Options

Georgia SoftWorks Telnet Server

- RFC 854 Compliant, works with compliant 3rd party telnet clients
- Configure up to 100 ports for the Telnet Server
- Encryption (40 or 128 bit) when using the GSW Desktop and PPC 2003
- Easy to install and use

Works Great with

SAP's SAPConsole

QAD's NETUI & DESKTOP 2

Georgia SoftWorks Secure Shell 2 (SSH2) Server

- Complete Data Stream Encryption
- AES-256, 3DES, Blowfish and other ciphers supported.
- No Certificate Provisioning Required
- Automatic generation and installation of RSA and DSA Host Keys
- Easy to install and use

Fully Functional Trial Downloads Available
sales@georgiasoftworks.com

www.georgiasoftworks.com
Telephone: 706.265.1018

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GSW Rocket Terminal Engine

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The GSW Rocket Terminal Engine is an add-on component (Replacement VTIO) for SAPConsole that boosts performance and includes powerful features needed to achieve operational objectives in demanding commercial and industrial environments.

Boost Performance, Advanced Features and Savings!

Dramatically increase the number of sessions for each server. Obtain a very large number of sessions with expected performance. There is much less demand on the processor when running the GSW Rocket Terminal Engine due to the seamless interface with GSW SSH2/Telnet Server.

Typically a VTIO has a virtual screen for every session and this virtual screen must be continuously be polled to determine if there is data to process. This is processor intensive and can put quite a load on the system.

However due the tight integration between the GSW Rocket Terminal Engine and the GSW SSH2/Telnet Server plus added intelligence the amount of virtual screen polling is almost eliminated. Since the GSW Telnet Server knows when data is present it notifies the Rocket Terminal Engine only when there is data to process instead of polling.

So, not only is the data path faster, there is substantially less demand on the processor. The end result is that you can obtain a much larger number of session on a server where processing power was the limiting factor. Additionally on smaller systems there is an noticeable crispness on each

Reduce the number of systems required. Due to the high number of sessions that can be obtained with the GSW Rocket Terminal Engine you can reduce the total number of systems.

Every system you can eliminate reduces hardware cost, software cost, maintenance contract cost and system administration time. The ongoing costs for servers are not cheap. Every server you reduce manifests as substantial savings.

Powerful Rocket Terminal Engine Features

- Automatic Logon to SAPConsole

- Adjusted Logon and Logoff Screen

- Configurable Screen Sizes.

- Capability to adjust off-screen fields back on-screen

- Flexible Translation of Screen Attributes with powerful options not available in the SAPVTIO

- Specify Auto-Enter and Auto-Tab Fields with Georgia SoftWorks Markup-Language

- Full Support of SAP Profiles

- Increased Reliability and Performance of SAPConsole
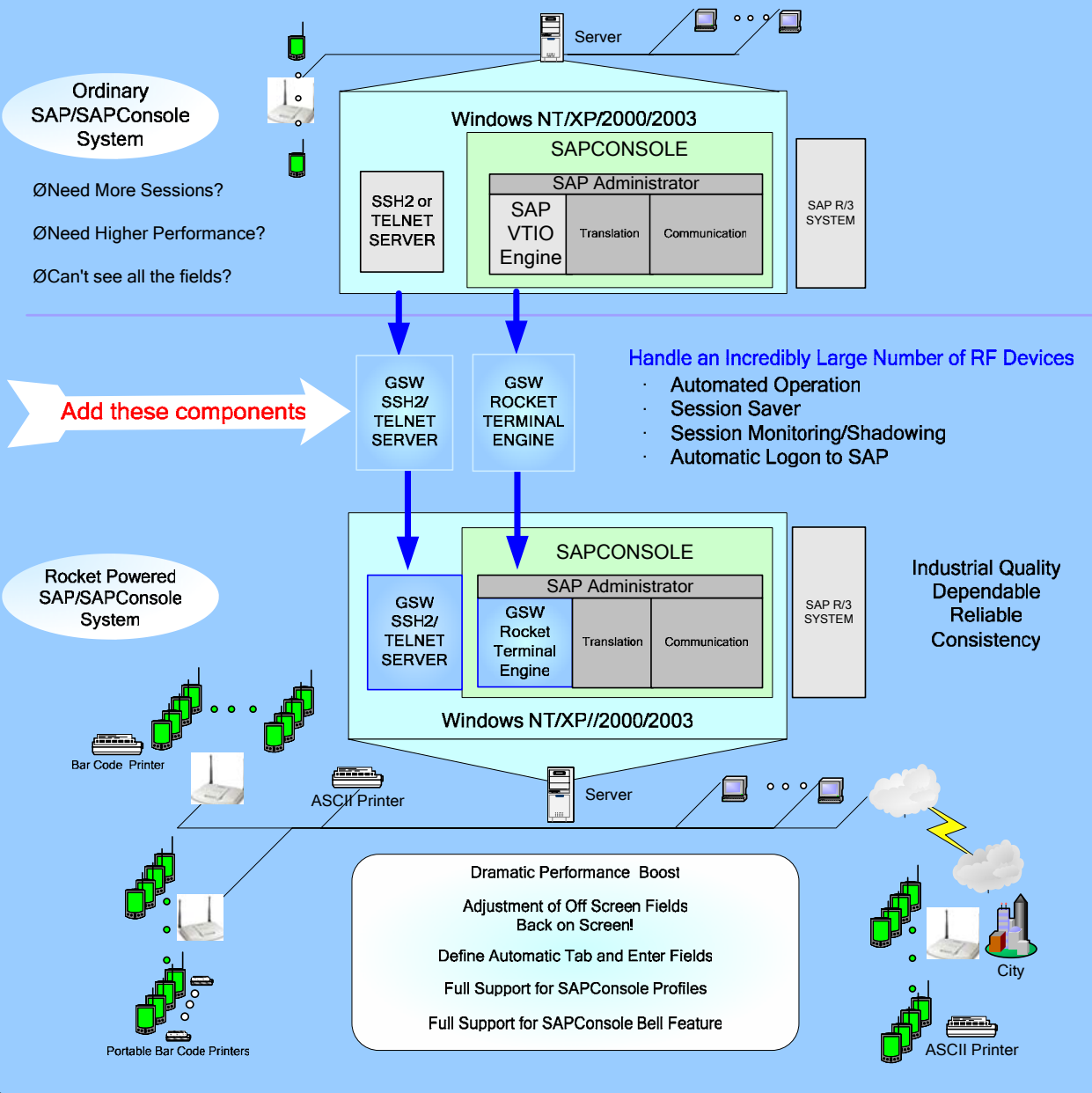
- Full Support for SAP Bell Feature

GSW Rocket Terminal Engine

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SAP AG's SAPConsole

Block Diagram of the Rocket Terminal Engine

A New SAPConsole Performance Standard Is Realized when using the GSW Rocket Terminal Engine with the GSW UTS Server

Get the Most From Your Investment in SAP/SAPConsole RF System

Server

**Ordinary
SAP/SAPConsole
System**

ØNeed More Sessions?

ØNeed Higher Performance?

ØCan't see all the fields?

Windows NT/XP/2000/2003

SAPCONSOLE

SAP Administrator

SSH2 or
TELNET
SERVER

SAP
VTIO
Engine | Translation | Communication

SAP R/3
SYSTEM

Handle an Incredibly Large Number of RF Devices
- Automated Operation
- Session Saver
- Session Monitoring/Shadowing
- Automatic Logon to SAP

Add these components

GSW
SSH2/
TELNET
SERVER

GSW
ROCKET
TERMINAL
ENGINE

**Rocket Powered
SAP/SAPConsole
System**

SAPCONSOLE

SAP Administrator

GSW
SSH2/
TELNET
SERVER

GSW
Rocket
Terminal
Engine | Translation | Communication

SAP R/3
SYSTEM

**Industrial Quality
Dependable
Reliable
Consistency**

Windows NT/XP//2000/2003

Bar Code Printer

ASCII Printer

Server

City

Portable Bar Code Printers

ASCII Printer

Dramatic Performance Boost

Adjustment of Off Screen Fields
Back on Screen!

Define Automatic Tab and Enter Fields

Full Support for SAPConsole Profiles

Full Support for SAPConsole Bell Feature

Free Fully Functional Trial Download Available

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Free Fully Function Trail Downloads are Available for the GSW Telnet Server, SSH2 Server and Rocket Terminal Engine.

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