

SWAN – Bandwidth Controller and Management.

Symphony Solutions, forefront product, SWAN is an economical and a quality solution for secure and controlled communications, across business enterprises.

Swan' s Ability to Scale on demand gives it an edge over others to scale systems dynamically in response to changing market trends and to expand into global markets with greater ease

Key benefits include:

- **Security** – All businesses recognize that robust security measures must be in place that authenticate identity, verify integrity, ensure privacy and authorize access.

Swan's security architecture addresses a wide range of requirements including , access control , preventing unauthorized access , web restrictions.

- **Performance** – Swan's secure algorithms and architecture combines different functionalities to optimize performance and delivery of critical applications to all users across the distributed enterprise. Optimal performances have been achieved (40% cache hit) directly influencing 40% reduction in bandwidth consumption and faster browsing.

- **Control** – Swan's policy management module along with tight algorithms for Bandwidth control empowers IT to make intelligent decisions to implement user based and security performance policies. IT can make precise policies with corporate priorities and goals in mind.

Symphony 's Swan – server based applications, which can even be bundled into Pentium class machines empower small and medium enterprises to have flexible control and provide high performance.



Symphony Technoventures:

Secure Proxy

High-performance, scalable replacement for upgrading existing Proxy servers. Supports the following protocols:

- HTTP
- SSL (forward and reverse)
- FTP
- Telnet
- SOCKS
- P2P
- AOL IM
- Yahoo IM
- Microsoft IM
- MMS & RTSP
- QuickTime
- TCP-Tunnel

URL Filtering

Integrated URL filtering gives IT staff control over access to inappropriate Web content - even when it is SSL-encrypted. Support for major filtering vendors and custom categories included.

Intelligent Caching Mechanism

Optimal performances have been achieved (40% cache hit) directly influencing 40% reduction in bandwidth consumption and faster browsing.

Effective Bandwidth Control and Monitoring

Built upon tight algorithms for bandwidth control, irrespective of any Application software the bandwidth consumed remains in the allocated realms

Comprehensive Server Control

Included console based Access Terminals cater to specify the server parameters like IP addresses, DNS servers etc.

The console can be accessed over the

SWAN BANDWIDTH MANAGER

LEARN HOW IT CAN
HELP YOU CONTROLLING
BANDWIDTH

Performance and Reliability — SWAN

Swan with its secure algorithms and architecture provides high performance allowing a corporate to enforce various policies at the user level.

Built on a robust distro with a small footprint

Most effective Web caching mechanism in order to decrease time latency and bandwidth consumption.

Built-in over tight algorithms services like bandwidth management, plus optional Bandwidth Clubbing.

Network functionality including:

- Active bridging support.

- Router pre configured to act for Internet gateways, LAN networks.
- Routing configurations for route tables , RIP, DNS.
- Options available to perform DNS lookups and on a forwarding host or external servers to verify status and availability of device.
- Track and Bind MAC addresses of users.

Integrated support services

- Guide User Interface
- Save and send snapshots of graphs.

Manageability — Policy Processing Engine

The Policy Processing Engine enables Policy restriction and Policy Management based on individual users, groups of users, time of day, Maximum traffic, Upload and Download traffic and other attributes to initiate policy actions. These comprehensive capabilities include:

Powerful management interface

- Web-based management interface
- Command line interface
- SSH v2 and SSL/TLS administration
- Comprehensive policy definitions based
- Policy expiry search engine.
- Web restriction policies.
- Definable triggers and actions for policy definition
- Create custom text-based policies to address unique website policy requirements

Authentication

- Support to utilize a company's existing authentication source including local password files, NTLM, LDAP (Active Directory), and Kerberos.
- Activation / Deactivation through Authentication module of individual users.
- Server based Authentication.
- No Client side installations required.
- Reporting of expired policies.
- Manage policies by device, group, or region

Rule Name	<input type="text"/>
Rule Description	<input type="text"/>
Select Time Duration	
<input type="checkbox"/>	from: <input type="text" value="midnight"/> to: <input type="text" value="1 a.m."/>

Note: Enable checkbox to define policy or Uncheck to make it unlimited access

Name	<input type="text"/>
Period (In Days)	<input type="checkbox"/> <input type="text"/>
Time (In Hours)	<input type="checkbox"/> <input type="text"/>
Max Traffic (MBytes)	<input type="checkbox"/> <input type="text"/>

Visibility — Management Reporting

Reports are the key to controlling and managing employee web communication in the enterprise. Swan provides the tools needed to log track user interactions over the Internet across corporate boundaries.

Default logging

- HTTP, HTTPS, FTP.
- Global log file limits and upload sizing
- Client upload settings and scheduling
- Custom logging and trace files
- Selectable fields/text/log formats
- Bandwidth consumed user wise, group/pool wise, total.
- Online Users.
- Machines Online.

Statistics

- System usage
- HTTP/HTTPS history
- Bandwidth
- Browsing history.
- Resources
- Efficiency

SNMP Support

Graphical display of Bandwidth per user wise, group wise and NIC based.

Logs reports of

Internet usage , Daily Usage , Policy history , User login/logout history.

Reports

- Web generated reports.
- More than 20 pre defined log reports.
- Secure browser access/role-based viewing
- Console based Real time reporting tools.
- Real time bandwidth utilization stats, tracking of each user visited website.

Features Overview

- Allots Bandwidth Per User
- Restricts User On Time & Byte Download Basis
- List And Perform Search For User/S
- Display Online Active Users
- Activate/ Deactivate Users
- Generate Detail Logs For Users
- Track And Bind Mac Address Of Users
- Store Log Reports For Specific Period.
- Remote Access For Administration
- Total Bandwidth Monitoring (Uplink And Downlink).
- Authentication Through Server Application
- Acts As An SMTP Relay Server
- Additional Console Based Server Administration.
- Internet Usage Reports.
- Intelligent Caching
- Bandwidth Sharing Within Pool
- Individual Messaging And Mass Messaging
- Authentication Enable / Disable Per User And Per Pool
- Bandwidth Clubbing. (As an add-on module)*
- Editable Policies and Pre defined policies.
- Real IP Support
- Easy Back Up And Restore Facility For Administrators
- Daily, Weekly, Monthly and Yearly Graphical Analysis Of The Bandwidth Received

SWAN Support Services

Symphony supports its products with an outstanding customer support program. All Symphony products come with a 90-day software warranty.:

- Online access to open technical support cases, review open cases, and add comments to existing cases
- Exclusive support documentation, installation notes, and FAQs
- Swan Instant Support provides online support through instant messenger for your technical needs
- Chat-based support -- helpdesk_symphony@yahoo.com.
- Telephonic support
- Mail based support – info@symphonytechnoventures.com, support@symphonytechnoventures.com

SWAN Training

Symphony provides technical training (basic to advanced) by certified and experienced trainers enabling administrators to become fully proficient on all aspects of the SWAN software appliance. All courses are replete with real world examples and feature extensive hands-on lab exercises.

Each person will learn to install, configure and troubleshoot all features and functions of the Swan

Symphony Technoventures channel sales partners are also certified on SWAN to provide field services. Our partners attend Instructor-led courses as well as monthly online training on the latest SWAN features and solutions.