

THE POSSIBILITIES ARE INFINITE



## Fujitsu Advanced Networking Solutions (FANS™)

The network has become a vital and powerful tool for every business enterprise. Internetworking has also grown highly complex, with major issues related to security, design, connectivity, cost-efficiencies and integration, to name but a few.

The Fujitsu Advanced Networking Solutions (FANS™) Group evolved from our work with customers around the world who gain business benefits from staying current with the best network products, architectures and practices. FANS is a professional resource for one-time or ongoing projects that leverage the power and reach of your network today.

Our network engineers and support personnel are available around the world. We partner with the leading technology vendors to install and support the top products for network efficiency, monitoring, administration, security, hosting, connectivity, wireless LAN and Voice over IP.

FANS has three areas of focus: Network Solutions, Security Solutions, and Business Solutions.

### Network Solutions Evaluating and Designing Solutions . . . . .

FANS network engineers specialize in designing or modifying networks to meet business needs. Professionally designed network solutions enjoy better performance and faster, easier troubleshooting and modifications.

Typically we begin with a site survey to assess the existing network and understand end user needs and IT and network staff requirements. Application requirements, bandwidth requirements, usage patterns, and other issues related to the design of the network are captured. Another important element to understand is the proper prioritization of traffic into mission-critical and non mission-critical. When this component of your network is addressed, better performance and connectivity can be achieved.

Security is of major concern today. All network design or modification projects include a review of the security policies and firewalls in place. Network servers, network applications and operating procedures are evaluated for security before the new design recommendations are submitted.

Final recommendations for network solutions feature a network block diagram, network cabling diagram, a list of hardware and software required, connectivity options, security solutions, and a clear narrative explaining how the solution will be implemented.

## Installation, Testing, Implementation, and Training . . . . .

When a project is agreed to, FANS engineers install and configure the equipment based on the project specifications. Testing and troubleshooting follows, with test plans that run the solution with real or simulated network traffic. Network management statistics are gathered to confirm functional integrity. FANS engineers are on-site when the solution is ready to be put into production on your network.

FANS Group specialists create a training profile for administrators to ensure the proper ongoing management and maintenance of the network solution.

## Connectivity . . . . .

FANS customers have the option of utilizing Fujitsu's high-speed backbone and network services for virtually every type of connectivity between offices and to the Internet. Fujitsu is a certified business Internet Service Provider and we offer dedicated leased lines for high-speed, always-on WAN and Internet access; Frame Relay connectivity of 56 Kbps-1.54 Mbps that is affordable and ideal for small to medium-sized companies; Asynchronous Transfer Mode (ATM) connectivity up to 15 Mbps, an efficient broadband solution for data, voice, and multimedia applications; and virtual private networks for companies with remote users in dispersed offices who require secure, encrypted connections to a central enterprise network.

## IP Telephony . . . . .

Fujitsu has partnered with Cisco Systems to offer products and services to cost-effectively leverage your network into a transport medium for data, voice, and video all over the same IP backbone. FANS engineers recommend, design, and install scalable IP telephony and IP-enabled business applications. These solutions support toll-quality voice, distributed and redundant architectures, ongoing service and support, and a lower total cost of ownership model.

## Wireless Local Area Networks . . . . .

For large campus environments with one or more building, this is the solution for local area network access. Fujitsu is a certified Cisco Systems reseller, experienced in installing the best-selling Cisco Aironet WLAN solution used around the world in companies, hotels, universities, primary schools, airports, and other venues.

With the WLAN, traffic flows through the air instead of the wall or under the floor. Small access points with antennas on ceilings and rooftops and network interface cards in laptops and other mobile devices replace wired connections. WLAN users can be added and removed quickly, so visiting individuals or teams can be online in minutes. Users are free to move around the building or campus while

online. Employees can move offices without having to hassle with the labor required to reconfigure their systems.

WLANs offer big cost savings and great benefits that will enhance collaboration and productivity. FANS specialists bring all of the pieces together and help keep your WLAN up and running efficiently.

## Security Solutions

### Assessing Network Security Risks . . . . .

Today, security concerns rank high on business agendas. Hackers, Spam, viruses, worms, and other threats can quickly compromise valuable information, communications, and commerce. Access by disgruntled employees, unprotected intelligence, and the effects that come from natural disasters are also of concern.

The FANS Group handles all necessary facets of network security for our customers—from planning through design, implementation of solutions, and ongoing network monitoring. Security specialists in FANS understand the complex and evolving technical issues, leading solutions and best practices for network security.

Security projects begin with an assessment of the vulnerabilities to your network, both internal and external. Using system software tools, auditing existing security policies, and inspecting the physical computing environment, FANS uncovers areas of vulnerability. Response and recovery plans can then be created to greatly reduce impacts should security become compromised.

### Policies, Guidelines, and Implementation . . .

FANS security specialists define comprehensive security policies and guidelines based on a thorough vulnerability assessment and business impact analysis. Once these are in place, projects proceed with selection of hardware and software, installation and configuration.

Fujitsu has partnered with the world's leading firewall developer, Check Point Software Technologies, and their Firewall-1 application is available for UNIX or Nokia IP Security Solutions platforms. Other products available through FANS are an integrated firewall-virtual private network-traffic manager from NetScreen and the high-availability Firewall-1 product from Stonesoft. FANS configures the right solution and tests it in Fujitsu's Network Operations Center before shipping it to a customer site for straightforward installation.

### Network Security Monitoring and Support . .

Fujitsu offers fully managed and interactive network security services to monitor customer networks 24 x 7. Unauthorized access attempts are subverted and catalogued and customers are informed of any intrusion attempts.

Specific services include: real-time intrusion detection, activity logging and reporting, virus alert and cleaning, URL and content filtering, periodic security scans of firewalls, and network and system uptime status monitoring. The Fujitsu Network Operations Center (NOC) and Internet Data Center (IDC) facilities can offer firewall protection to enterprises and certified engineers are available 24 x 7 to provide support online, on the phone, or on-site.

## Business Solutions

### Application Hosting . . . . .

Discover the many benefits of using the FANS Group to implement and host complex applications, from saving on hardware investments to lightening the project load of busy IT staff. eBusiness applications are especially appropriate for this service, which includes the highest quality hardware, best-of-breed software, a redundant Internet connection, and seasoned network and applications specialists who operate, monitor, and maintain applications 24 x 7.

### System Outsourcing . . . . .

The FANS Group offers System Outsourcing so our customers can focus on core competencies in their IT environments while outsourcing other miscellaneous network applications. Secured data center facilities with reliable Internet connections, 24 x 7 security monitoring, network monitoring and maintenance are available. FANS specialists install or migrate the system from the customer environment to the data center. Customers are only responsible for managing application software and operating procedures.

A co-location service is also available that provides the services of a virtual data center. This is a secured private area within the FANS network operations center with a reliable Internet connection, 24 x 7 security monitoring, network monitoring and maintenance included. FANS engineers help customers install and set up their network infrastructures at the customer data center. Then the virtual data center service eases the headaches of staffing, administering and maintaining the network.

### Web Hosting Service . . . . .

FANS Group specialists design, develop, and implement eBusiness Web sites. Whether the site is to be developed for a high-demand event, high-volume transactions, advanced database applications or CGIs, FANS Group engineers have the breadth of experience to get the job done. Web servers and software tools are configured and managed at one of the Fujitsu Internet Data Centers to anticipate demand and ensure reliable uptime.

## Network Solutions .....

- Site survey
- Network assessment
- Security assessment
- Solution recommendation
- Installation and configuration
- Testing
- Training
- Network connectivity services (leased point-to-point lines, Frame Relay, ATM, VPNs)
- IP Telephony solutions
- Wireless LAN solutions

## Managed Security Services .....

- Network security assessment
- Security solution design
- Installation of dedicated, custom-configured firewall
- 24 x 7 firewall status monitoring, intrusion detection monitoring
- Security policies and guidelines
- Firewall system administration (software updates, log maintenance, system backup)
- Firewall hardware maintenance
- Periodic security review
- Remote and on-site problem diagnosis, analysis, and troubleshooting
- Field engineer dispatch
- Hardware replacement

## Business Solutions .....

- Application hosting
- System outsourcing
- Web hosting

## About the Company .....

Fujitsu Consulting is a wholly owned subsidiary of Fujitsu Limited and provides networking solutions, including network design, integration, connectivity, security solutions, and datacenter solutions to enterprises around the world. The company is a Check Point Software Premier Partner and Certified Support Partner, in addition to a Cisco Systems Global SI and IP Telephony certified partner. With 9,000 employees in 70 offices worldwide and cooperating Fujitsu group companies in almost every country, Fujitsu Consulting is dedicated to delivering advanced information technology solutions locally and globally.

**Fujitsu Advanced Networking Solutions website: <http://fans.consulting.fujitsu.com>**

**For more information, please contact the Fujitsu Advanced Networking Solutions group today at 1-877-240-3557 or email [info@consulting.fujitsu.com](mailto:info@consulting.fujitsu.com)**