SANGFOR
HEALTHCARE SOLUTION

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SANGFOR SOLUTION FOR HEALTHCARE

Delivering real-time data to doctors and nurses efficiently and securely is crucial for the health and safety of patients. The easier it is to access medical records, the more efficiently doctors can make informed decisions.

Achieving this continuity requires an IT infrastructure that can effectively support core processes & applications, as well as smart phones & other mobile devices.

1 Business Trends and Key Challenges

<table>
<thead>
<tr>
<th>Core Business Transform Online</th>
<th>Widely Used Digital Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Registration, Queuing, E-Payment)</td>
<td>(HIS, EMR, PACS, Database)</td>
</tr>
<tr>
<td>Unknown Web Security Risks Higher Availability</td>
<td>Easy Deployment and Efficiency Professional IT Skills</td>
</tr>
</tbody>
</table>

2 Traditional Solution Shortcomings

- **Performance Bottleneck**: Unable to deliver high I/O processing capacity between terminals to HIS, EMR, PACS and other systems
- **Complicated O&M**: With many application and system deployed, every Server and System need to operate and maintenance individually
- **Hard Expansion**: Expanding systems and storage requires complicated configuration on multiple systems, making deployment of new medical equipment and technology slow
- **Single Point of Failure**: HIS/PACS systems store core information, but with no high availability server, any breakdown will take hours or days for recovery
Faced with such a large scale of concurrent business and data processing requirements, medical facilities recognize that a secure cloud data center, based on hyperconverged infrastructure, is the inevitable choice for timely business transformation.

### Sangfor Healthcare Solution

Sangfor Healthcare Solution...

### Solution Benefits

1. **Sangfor Endpoint Secure**
   - Works with NGAF to provide 360-degree protection from ransomware attacks.

2. **Data Distribution**
   - Data is distributed across multiple hosts with multiple copies to ensure data integrity.

3. **High-speed Backup**
   - High-speed backup is fully integrated for local or remote data protection in hourly or second increments.

4. **TCO Reduction**
   - TCO reduction up to 60% with hardware consolidation and O&M simplification.

5. **Time-to-Market**
   - Time-to-market shortened from weeks to days, or even hours.

6. **IT Management**
   - IT Management can be simplified dramatically with one unified web-based management platform for compute, storage, networking, and security.

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**Traditional Cloud Architecture**

- **Switch**
- **Security Devices**
- **Network Switching**
- **Compute Virtualization Resource Pool**
- **Server**
- **Storage Switch**
- **External Storage**

**Sangfor HCI Infrastructure**

- **Switch**
- **Compute Virtualization, Network Virtualization, Storage Virtualization, Security Virtualization**
- **CPU MEM**
- **HDD SSD**
- **10G NIC**

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**Dozens of Devices with Different Functions**

**2 Devices: x86 Server + Switch**
ABOUT SANGFOR

Make Your Digital Transformation Simpler and Secure. This is Sangfor Technologies’ commitment to our customers. Since forming in 2000, Sangfor has been a global leader of IT infrastructure, security solutions and cloud computing. Five business groups deliver industry leading products for Hyper-Converged Infrastructure, Virtual Desktop Infrastructure, Next Generation Firewall, Secure Web Gateway, Endpoint Protection, Ransomware Protection, Incident Response, WAN Optimization, and SD-WAN. Constant innovation and dedication to creating value for our customers are the heart of our corporate strategy.

Sangfor’s 9500+ employees take customer’s business needs and user experience seriously by servicing and supporting them at over 60 branch offices globally in exciting locations like Hong Kong, Malaysia, Thailand, Indonesia, Singapore, Philippines, Vietnam, Myanmar, Pakistan, UAE, Italy, and the USA.
CONTINUOUS INNOVATION & EXCELLENT SERVICE

Sangfor invests at least 20% of annual revenue in R&D to improve products and develop new solutions at our five R&D centers. With over 2,200+ patents, Sangfor has more patent applications submitted in 2022. This dedication to innovation enables us to release product updates every quarter and launch new products annually.

We pride ourselves on our excellent service. Customers enjoy fast 24x7 online support 365 days a year and personalized on-site service support from over 10,000 certified engineers at our three Customer Service Centers in Malaysia & China.

Sangfor has more than 100,000 satisfied customers worldwide, including Fortune Global 500 companies. Governments, universities & schools, financial institutions, manufacturing, and other industries trust us to protect them from the next generation of cyberthreats and help them on their journey to digital transformation with a future-proof IT infrastructure.
## AWARDS & ACHIEVEMENTS

<table>
<thead>
<tr>
<th>Award / Certification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frost &amp; Sullivan</strong></td>
<td>Sangfor SSL VPN No. 1 in Network Security market in China, Hong Kong &amp; Taiwan</td>
</tr>
<tr>
<td><strong>IDC</strong></td>
<td>Listed as One of the Top 3 Vendors for SWG, NGAF, IPSec/SSL VPN, WANO, Application Delivery, HCI &amp; VDI in China (2021)</td>
</tr>
<tr>
<td><strong>SAP</strong></td>
<td>SAP Certified for Cloud and Infrastructure Operations and SAP HANA Operations (2019)</td>
</tr>
<tr>
<td><strong>Cyber Defense Magazine</strong></td>
<td>“Next Gen” Award for Sangfor Endpoint Secure by Cyber Defense Magazine (2019)</td>
</tr>
<tr>
<td><strong>Cybersecurity Excellence Awards 2022</strong></td>
<td>Gold Winner for the Most Innovative Cybersecurity Company and Best Cybersecurity Company</td>
</tr>
<tr>
<td><strong>ICSA Labs</strong></td>
<td>ICSA Labs certification for Sangfor Next Generation Firewall (2020)</td>
</tr>
<tr>
<td><strong>Global InfoSec Awards 2021</strong></td>
<td>“Most Promising Security Company of the Year” and “Cutting-Edge in Extended Detection and Response (XDR)”</td>
</tr>
<tr>
<td><strong>AV-TEST</strong></td>
<td>High Performance with Low Impact Certification for Sangfor Endpoint Secure by AV-Test (2020-2021)</td>
</tr>
<tr>
<td><strong>VirusTotal</strong></td>
<td>Member of various technology alliances including VirusTotal with Sangfor Engine Zero recognized by VirusTotal as the newest, best and brightest cloud malware sandbox vendor</td>
</tr>
<tr>
<td><strong>CyberRatings.org</strong></td>
<td>Sangfor NGAF Received “AAA” Rating from CyberRatings.org in Enterprise Firewall + SSL/TLS (2021)</td>
</tr>
<tr>
<td><strong>CMMI Level 5</strong></td>
<td>Sangfor has successfully passed and received CMMI Level 5, the highest level of CMMI certification</td>
</tr>
<tr>
<td><strong>Forrester</strong></td>
<td>Sangfor Included in Forrester’s “New Tech: Zero Trust Network Access (ZTNA), Q2 2021” and “Now Tech - Cloud Security Gateways Q1 2021”</td>
</tr>
</tbody>
</table>
Listed in the Gartner Magic Quadrant Reports

- **SWG**: 2011-2020
- **NGFW**: 2015-2021
- **HCI**: 2019-2021
- **WAN Edge**: 2020 (APAC Context)

*Previously listed in the Magic Quadrants for WAN Optimization Controller (WOC), Application Delivery (AD), SSL VPN and x86 Server. Those reports have been discontinued by Gartner.*

Listed in the Gartner Peer Insights 'Voice of the Customer' Reports

- **NGFW**: 4.8
- **HCI**: 4.8
- **SWG**: 4.7
- **Cyber Command**: 4.7

*Note: As of May 2022
Source: Gartner Peer Insights*
Internet Access Gateway
Simplify User & Network Management

Sangfor IAG (Internet Access Gateway) is a best-in-class SWG security solution that controls access to and from the Internet, by preventing unsecured traffic from entering & leaving the internal network of an organization, and by monitoring and controlling the behaviour of all network users. Superior, in-house development and design provides unparalleled visibility into user identity, applications, and protection of all network users.

NGAF Firewall Platform
Smarter Security Powered by Artificial Intelligence

Sangfor NGAF is the world’s first AI enabled and fully integrated NGFW + NGWAF with security visibility, providing all-around protection from known and unknown threat to business systems, and with ease of security operation and management.

Endpoint Secure
The Future of Endpoint Security

Sangfor Endpoint Secure manages the endpoint asset security life cycle, from prevention, detection and defense, all the way through response. Endpoint Secure provides the most accurate identification and mitigation of rogue or malicious processes and applications, like ransomware and other Advanced Persistent Threats (APTs), while host firewall capability prevents the East-West spread of malicious activity by blocking suspicious or unauthorized network communications.
Cyber Command

Intelligent Threat Detection and Response Platform

Sangfor Cyber Command significantly improves overall security detection and response capabilities by monitoring internal network traffic, correlating existing security events, and applying AI and behavior analysis, all aided by global TI. Unlike other solutions, Cyber Command uncovers breaches of existing security controls while impact analysis identifies hidden threat within the network.

Because Cyber Command integrates network and endpoint security solutions, administrator ability to navigate and understand the overall threat landscape is significantly improved, and response to threat is automated and simplified.

Sangfor TIARA

Threat Identification, Analysis and Risk Management

TIARA is a turnkey service, including Sangfor hardware and software, to help customers quickly gain a broad understanding of their current threat posture.

- TIARA Assessment: lightweight security assessment service to help customers quickly and easily determine the threat posture of their entire network.
- TIARA Recommendations: improvement planning and remediation assistance to take customer’s security posture to the next level.

Sangfor Incident Response

Detection of External Threats

An external vulnerability assessment that simulates how an attacker identifies attack surfaces, gains entry into the network and how to exploit a weakness to threaten to the entire network.

Security Program Enhancement

An external attack surface assessment service that provides the security team a remediation planning program to eliminate discovered security vulnerabilities and attack surfaces, reducing overall security risk.

Security Skills Education

Security team security skills are improved through training and interaction with the investigators and analysts. In addition, the investigation results and lessons learned identify vulnerabilities and security gaps educating the security team on how to prepare and implement a remediation plan, reducing the likelihood a secondary attack.
Sangfor HCI
Enterprise Cloud Computing Platform Built on Business-Centric HCI

Sangfor HCI (Hyper-converged Infrastructure) is the most advanced cloud IT architecture available today.

Built on innovative Sangfor hyper-converged technology with complete IT infrastructure, O&M management service capabilities and carrying key business applications like core databases, ERP, financial systems and production systems.

Sangfor Managed Cloud Services
Secure and Simplify Your Digital Transformation Journey

Sangfor Managed Cloud Service provides a new approach between Public Cloud and Private Cloud. Instead of being pieced together with multiple 3rd party software, Sangfor MCS relies mostly on self-developed compute and cybersecurity technologies. Both tenants and partners enjoy a one-stop-shop experience from a cloud provider with its full-range of in-house technologies. They benefit from superior compute, storage, network, back up, DR, and hybrid cloud as well as endpoint security, assessment service and managed security service.

INFRASTRUCTURE

Sangfor aDesk
Tightly Integrated Desktop Cloud with Outstanding Performance

Sangfor aDesk is the most advanced cloud-based virtual desktop infrastructure (VDI) solution based on Sangfor’s hyper-converged infrastructure. Tightly integrated server virtualization, desktop virtualization and storage virtualization means only a single aDesk thin client appliance and a cloud instance are required to deliver a rapid deployment cloud platform.
**SD-WAN**
*Boost Your Branch Efficiency With Sangfor SD-WAN*

Sangfor SD-WAN provides easy operation and maintenance for branch to headquarters connectivity improving customer experience and overall network reliability.

**Sangfor Access**
*Cloud-based SASE for Branch Offices & Remote Users*

Sangfor Access is a Secure Access Service Edge (SASE) cloud service to securely connect your branch offices or remote users to business applications.

Branch offices use their existing routers or Sangfor SIER for seamless SD-WAN connectivity routing all internet traffic through Sangfor Access. Remote users install a lightweight client to send all business related traffic to Sangfor Access.

**Sangfor Intelligent Edge Router**
*Simplify & Intelligentize Your Branch Network*

Sangfor Intelligent Edge Router (SIER) is a key component of Sangfor SD-WAN, integrating zero-touch provisioning, centralized management, intelligent path selection, user behaviour and bandwidth management, WiFi, 3G, and 4G in a single solution.

SIER simplifies operation and management, improves business availability and user experience, and reduces hardware and bandwidth costs.

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