

HCLTech Managed Firewall services

CloudSMART



Introduction

Cyber threats are becoming increasingly sophisticated and frequent in today's digital age. A strong cybersecurity strategy is crucial now more than ever. A key element of this strategy is the firewall, acting as the primary defense against cyberattacks.

Key Business Drivers



Increased focus on cloud security - With more and more businesses migrating to the cloud, securing cloud environments is becoming a top priority. Cloud-based firewalls are gaining traction as they offer scalability, flexibility and easier management compared to on-premises solutions



Integration with other security solutions - Firewalls are increasingly integrated with other security solutions such as intrusion detection and prevention systems (IDS/IPS), endpoint security and SIEM systems. This creates a more comprehensive security posture and allows for better threat detection and response



Demand for managed firewall services- Many businesses opt for managed firewall services as they do not have the expertise or resources to manage their firewalls inhouse. Managed service providers (MSPs) can offer expertise, 24/7 monitoring and proactive threat management



Focus on AI and machine learning- AI and ML are being integrated into firewalls to automate threat detection and response, improve threat analysis and personalize security policies. This trend is expected to lead to more effective and efficient security solutions

Challenges



Limited Inhouse Knowledge

Companies often lack cybersecurity professionals with the specialized knowledge and experience to configure, manage and optimize firewalls effectively



Misconfigurations and vulnerabilities

Improper firewall configurations and failure to apply timely updates create exploitable vulnerabilities for attackers



Maintaining a consistent operational model across different environments

Having a consistent approach to managing firewalls across on-premises, private cloud, public cloud and SaaS environments is challenging. Each environment may have unique requirements and configurations, leading to the maintenance of standard security posture harder



Compliance Challenges

Keeping up with evolving security regulations and standards can be complex and time-consuming



Performance Bottlenecks

Without proper optimization, firewalls can become overloaded, leading to network slowdowns and performance issues

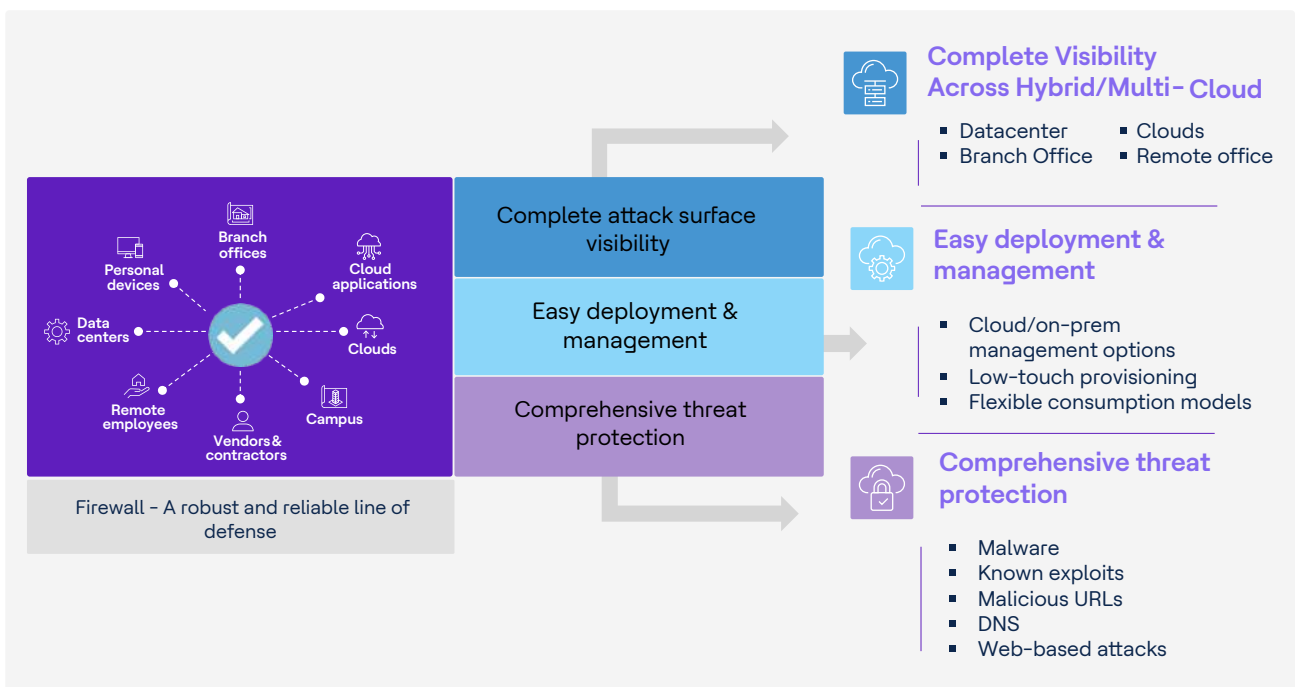


Integration issues

Right integration of all the features including Firewall, NIPS, and thereafter their integration with central SIEM/SOAR platform is complex and require additional expertise

Solution Overview

Ensuring complete visibility across hybrid and multicloud environments, spanning data centers, various cloud services, and remote offices, is crucial for effective cybersecurity. Simultaneously, easy deployment and management solutions across cloud, on-premises, and on-box options streamline operations with low-touch provisioning and a flexible consumption model. Complementing these capabilities, comprehensive threat protection mechanisms guard against diverse threats, including malware, web-based attacks, and malicious URLs, safeguarding critical assets across the digital landscape.



HCLTech 360° Services



Strategy, Consulting and Architecture

- Security Assessment
- Network Security Architecture design, Policies and Workflow Design
- Firewall strategy development
- Creation of an integrated ecosystem of security solutions to achieve a dynamic security framework

Transformation and Integration

- Firewall deployment
- Proof of Concepts and Evaluation of use cases
- Security tools integration
- Complete integration of security controls to meet Defense-in-Depth

Managed Security Services

- 24/7 Security Monitoring and Threat detection
- Continuous assessment to mitigate unknown threats
- Incident Response
- Reporting and Visibility



Cisco Secure Firewall – Key Use Cases



Internet Edge

- High availability and redundancy
- Dynamic routing and address translation

Data Center

- Scalability
- Very high bandwidth, very low latency

Branch

- Site-to-site VPN
- Dynamic routing
- Application visibility and control

Cloud/Virtual

- Support for DPDK and SRIOV
- Internet edge or VPN gateway
- Inbound inspection
- Support SDWAN backhaul

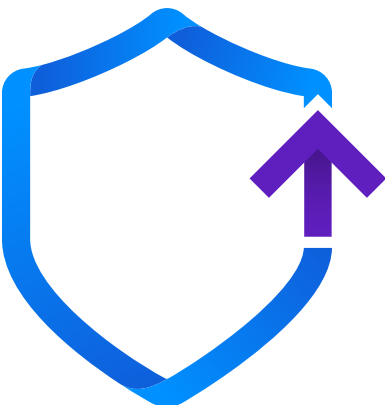
Secure IPS

- Superior threat efficacy
- Threat intelligence
- Network reliability
- Scalability

Remote access

- Integration with endpoint security
- Authentication, Authorization, Accounting
- Zero Trust Clientless access to private applications

HCLTech Benefits



- **Deeper expertise**
Our dedicated security team possesses in-depth knowledge of complex firewalls and threat landscapes, exceeding inhouse capabilities of our client
- **Regular updates and patch management**
We ensure firewalls are always up to date with the latest security patches and optimize policies quickly to increase firewall performance

- **Reporting and insights**
We provide detailed reports on firewall activity, threats detected and security posture, empowering our clients with valuable data
- **Low-touch provisioning**
Simplifies and automates the onboarding of new Firepower Threat Defence (FTD) devices to Cisco Defence Orchestrator (CDO)
- **Enhance operational efficiency with CDO**
Speed up deployment using templates, track all changes for easy rollback and boost operational efficiency
- **AI-powered threat detection**
Analyzes network traffic patterns to identify unusual activity and potential malware, even within encrypted traffic
- **Threat analysis using machine learning**
Leverages machine learning models trained on vast datasets of known threats and vulnerabilities
- **Superior visibility beyond deep packet inspection**
Enhanced visibility goes beyond deep packet inspection, incorporating features like application control and network behavior analysis

Differentiators

- **CSFC led 24/7 monitoring and proactive response**
We provide continuous vigilance, detecting and responding to threats much faster, which benefits in offloading firewall management tasks from our clients's IT teams
- **Cisco global gold provider**
A range of security solutions and offerings that encompass Cisco's extensive partnership ecosystem
- **Global Presence**
HCLTech has 7 Cybersecurity Fusion Center across the globe ensuring a unified, robust defense against cyber threats worldwide
- **Performance optimization**
Our managed firewall services incorporate advanced optimization techniques and technologies to minimize latency, maximize throughput and keep the network running smoothly even under heavy loads
- **Scalability and flexibility**
Our managed firewall services can scale to meet evolving needs, whether small businesses or large enterprises. With flexible deployment options and customizable service plans, we can help customers adapt their security infrastructure to changes in their organization's size and requirements
- **Skilled resources**
HCLTech has 3000+ trained and certified professionals on Cisco

Why HCLTech



Industry analysts like Gartner, IDC, Everest Group, ISG and Avasant have consistently recognized HCLTech as the top performer in cloud



A range of solutions and offerings that encompass Cisco's extensive partnership ecosystem



Multicloud framework based on HCLTech's CloudSMART strategy



The recognition as a "Cisco Global Gold Provider" adds to our credibility regarding Cisco's products



Our partnership with Cisco has been strategic and 360-degree for more than 27 years



First global systems integrator (GSI) to co-develop a hybrid/multicloud stack with Cisco



For more information, please visit the [Cisco Ecosystem page](#)

For queries, please email us at hcltechciscoeu@hcl.com

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