As cloud adoption accelerates, organizations are increasingly reliant on cloud-based services and infrastructures. Yet, organizations often end up with a heterogeneous set of technologies in use, with disparate security controls deployed across various cloud environments. Fortinet Dynamic Cloud Security solutions provide the necessary visibility and control across cloud infrastructures, enabling secure applications and connectivity from data center to cloud.

Additionally, as applications and users move between the cloud and the on-premises network, further complexities appear due to the number of solutions and technologies used within each environment that grow even more complex as users, devices, and applications move in between each. Worse yet, these complexities create blind spots the attacker knows to leverage to achieve a successful attack.

In order to achieve desired innovation outcomes while reducing unwanted complexity and security risk, organizations need to adopt a broad, integrated, and automated cybersecurity platform such as the Fortinet Security Fabric.

FortiOS is a security-hardened, purpose-built network operating system that is the software foundation of the entire Fortinet Security Fabric. Designed to deliver tightly integrated and intuitive security and networking capabilities across your entire network, FortiOS delivers everything from core network functionality to best-in-class security that protects organizations end to end, including the ability to extend the Fortinet Security Fabric to third-party solutions using application programming interfaces (APIs) and Security Fabric connectors.

Seamless automation and orchestration built into FortiOS allows organizations to overcome resource and skills gaps, and achieve desired digital innovation outcomes without compromise.
Fortinet continues to enhance the Fortinet Security Fabric with FortiOS 6.4, the latest version of its operating system. With over 300 new features and capabilities in FortiOS 6.4, customers can make adopting cloud platforms that much easier—and more secure.

FortiOS 6.4 enables cloud adoption through tight integrations and Security Fabric connectors with major cloud platforms and virtualization technologies that enable native visibility and control across cloud deployments.

Hybrid Cloud
FortiGates, Fortinet’s award-winning firewalls, are available as virtualized appliances that can be deployed and readily run on all major cloud platforms. The advantage this brings is the ability to fully leverage all the capabilities that FortiGates deliver including intrusion prevention system (IPS), next-generation firewall (NGFW), and software-defined wide-area network (SD-WAN). Additionally, virtual FortiGates are able to leverage Fortinet’s virtual security processor (vSPU) to deliver best-in-class security and performance without compromise.

With FortiOS 6.4, customers are now able to expand their multi-cloud connectivity strategies to enable SD-WAN for Amazon Web Service (AWS) Outposts and Google Cloud Platform (GCP) Anthos. All the while, customers can secure their cloud platform deployments with FortiGate Cloud IDS.

With the latest release, customers also benefit from flexible licensing options to increase uptime.

Enhanced Workload Protection
A key benefit of cloud adoption is the choice of platforms that can be adopted to achieve desired digital innovation outcomes. In addition to platforms already supported, such as AWS, GCP, and Azure, FortiOS 6.4 includes support for Rackspace, along with pay-as-you-go (PAYG) pricing options.

Better Office 365 Coverage
Complementing FortiOS 6.4 capabilities are integrations with the Security Fabric solutions such as FortiMail, FortiCASB, and FortiAuthenticator, which deliver enhanced security for Office 365 environments.

Customers adopting or running Office 365 can greatly benefit from the integration provided through the Security Fabric to manage users, data, and application security on a single platform.

Services and Subscriptions
FortiOS 6.4 delivers several new and enhanced services and subscriptions for the Fortinet Security Fabric to help customers better operate and secure their networks. This includes a new Internet-of-Things (IoT) service that works with FortiOS 6.4 capabilities to shrink the IoT attack surface by automatically identifying, segmenting, and enforcing policies against IoT devices on physical networks. FortiOS 6.4 also introduces enhancements to the Fortinet Security Rating Service.
The Fortinet Security Rating subscription service helps organizations achieve compliance and fix deficiencies by providing visibility and checks against compliance and best-practice standards. This service also allows for benchmarking against other industry-peer organizations. FortiOS 6.4 enhances the Security Rating capability with an operations-centric view to help networking staff better prioritize and manage their environments.

The new and enhanced services are available as part of FortiGuard Enterprise and 360 Protection bundles, and as a la carte subscriptions that customers can use to customize their services.

Digital innovation requires a broad, integrated, and automated cybersecurity platform that only the Fortinet Security Fabric can provide. FortiOS 6.4 advances the Fortinet Security Fabric with greater security while delivering even more simplicity and automation to help customers better deploy, operate, and maintain network and security operations throughout their organization, whether on-premises or in the cloud.