



مناقصة MOT-GSD/MOF/2023/219

شراء وتوريد أجهزة حماية برمجيات ونسخ احتياطي لصالح وزارة النقل والمواصلات

مير الإحالة: الأقل تكلفة والمستحب جوهرياً لشروط المناقصة

اسم المورد	Item	description	Qty	U.Price NIS	T.Price NIS	المواصفات
شركة الإتصالات الفلسطينية - بالتل	1	Next Generation Firewall	2	129474.795	258949.59	حسب المواصفات بالملحق
	2	Hardware Web Application Firewall	1	195734.84	195734.84	حسب المواصفات بالملحق
	3	Central Secrity Logging & Information Event Management Solution	1	18566.448	18566.448	حسب المواصفات بالملحق
	4	renew LACASA 100E license for 3 years	1	9577.99	9577.99	renew LACASA 100E license for 3 years
إجمالي الإحالة على شركة الإتصالات الفلسطينية - بالتل - بالشيك شامل لضريبة القيمة المضافة						482828.868

اسم المورد	Item	description	Qty	U.Price NIS	T.Price NIS	المواصفات
شركة أكسيو للإستثمار	5	Veeam Backup & Replication Universal Perpetual License. Includes Enterprise Plus Edition features. 5 years of Production (24/7) Support is included (each VUL has 10VM)	9	40024	360216	حسب المواصفات بالملحق
إجمالي الإحالة على شركة أكسيو للإستثمار بالشيك شامل لضريبة القيمة المضافة						360216

843044.868

إجمالي إحالة المناقصة بالشيك شامل لضريبة القيمة المضافة

علا الأسدي /وزارة الإتصالات وتكنولوجيا المعلومات

جمال قادوس / وزارة الاشغال العامة والإسكان

فادي مصلح/وزارة الاقتصاد

رائد التميمي /وزارة المالية

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

عضو

بسام دويكات/الامانة العامة لمجلس الوزراء

مها القاضي /مؤسسة المواصفات والمقاييس



جداول المواصفات الفنية

Item #1: Next Generation Firewall : مواصفات البند رقم (1)

Next Generation Firewall	
Items	Specifications
Interfaces	8 x GE Ethernet ports 8 x 10GE SFP+ ports Internal dual power supply (Hot Swappable) (Installed)
Firewall Throughput	100 Gbps
IPS throughput	12 Gbps
Concurrent Session	7 Million
New connections/sec	460,000
Xstream SSL/TLS Inspection	6 Gbps
Xstream SSL/TLS Concurrent connections	500,000
Firewall Latency (64-byte UDP)	5 µs
SSL-VPN Throughput	3 Gbps
SSL-VPN Users supported and included	9000 users
Threat Protection Throughput	9 Gbps
Trusted Platform Module	Yes
High Availability Configurations	Active-Active, Clustering
3 Years license include (24x7 support, Antivirus, Antispam, URL filtering, Application CTRL, Cloud Sandbox)	

ناصر الخطيب
رئيس لجنة العطاءات المركزية
11 of 2Page

علا الأسدي /وزارة الاتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

جمال قاتوس /وزارة الأشغال العامة والإسكان

عضو

بسام دويكات/الامانة العامة لمجلس الوزراء

فادي مصلح/وزارة الاقتصاد

مها القاضي /مؤسسة المواصفات والمقاييس

رائد التميمي /وزارة المالية



Item #2: Hardware Web Application Firewall : مواصفات البند رقم (2)

Hardware Web Application Firewall
Deployment Modes
Reverse Proxy
Performance
Throughput: at least 500 Mbps Latency: <7ms
Interfaces & Storage
2 GE RJ45,2 GE SFP Storage: min 400GB Dual power supply installed
Security Features
Machine learning Zero-day protection Geolocation blocking High Availability (active-passive or active-active) System resource monitoring (WAF health monitoring) Dynamic profiling customizable dashboards, charts, reports HTTPS/SSL offloading Built-in Vulnerability Scanner or third party software is accepted Botnets protections IP intelligence reputation services HTTP Header Security Schema verification L4 Stateful network firewall Cookie signing and encryption

ناصر الخطيب

رئيس لجنة العطاءات المركزية

علا الأسدي /وزارة الاتصالات وتكنولوجيا المعلومات

جمال قاتوس /وزارة الأشغال العامة والإسكان

فادي مصلح/وزارة الاقتصاد

راند التميمي /وزارة المالية

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

بسام بركات/الامانة العامة لمجلس الوزراء

مها القاضي /مؤسسة المواصفات والمقاييس



Virtual Patching
Web services signatures and Live signature updates
denial-of-service (DoS) protection
Antivirus
Advanced correlation protection using multiple security elements
Prevent access using stolen credentials
Layer 7 server load balancing
API Protect
Bot Protection
Management and Reporting
3 Years warranty & license include (24 x 7 support plus Antivirus, Web Security Service, IP Reputation)
Training : 2 seats official training including accommodation (door to door)

علا الأسدي /وزارة الاتصالات وتكنولوجيا المعلومات

رائد التميمي /وزارة المالية فادي مصلح/وزارة الاقتصاد جمال قادوس / وزارة الاشغال العامة والإسكان

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

عضو

بسام هريكات/الامانة العامة لمجلس الوزراء

مها القاضي /مؤسسة المواصفات والمقاييس

ناصر الخطيب
رئيس لجنة العطاءات المركزية



Item #3: Central Security Logging & Information Event Management Solution : مواصفات البند رقم (3)

Central Security Logging & Information Event Management Solution
Virtual Appliance
User Behavior Analysis
SOC & NOC
IOC
Risk Scoring
Custom Log parsing
Baselining
Configurable Dashboards
Scalable Architecture
Efficient traffic monitoring capabilities
Support 5G/Day log size
3 Years vendor support (24/7)

علا الأسدي / وزارة الاتصالات وتكنولوجيا المعلومات

جمال قانويس / وزارة الاشغال العامة والإسكان

فادي مصلح / وزارة الاقتصاد

رائد التميمي / وزارة المالية

ناصر الخطيب
رئيس لجنة العطاءات المركزية

رئيس اللجنة

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

عضو

بسام دويكات / الإمانة العامة لمجلس الوزراء

مها القاضي / مؤسسة المواصفات والمقاييس



Item #5: Veeam Backup & Replication Universal Perpetual License : مواصفات البند رقم (5)

7.Backup Solution Software

General Requirements

- Solution should support VMware vSphere and Microsoft Hyper-V platforms including VMware vSphere 6.x, Hyper-V 2012 R2 and Hyper-V 2016.
- Solution should support VMware infrastructure with VMware vCloud Director, VMware vCenter and VMware ESXi standalone hosts.
- Solution should support Microsoft Hyper-V infrastructure with System Center Virtual Machine Manager (SCVMM), Hyper-V Clusters and Hyper-V standalone hosts.
- Solution should incorporate Virtual Machines image level backup and Virtual Machines host based replication to Disaster Recovery site managed from a single console.
- Solution should feature the scalability, real time data traffic flow analysis with backup bottleneck reporting and central management console for multiple backup domains management.
- Solution must allow automation through RESTFUL API or PowerShell SDK.
- Solution should have end-to-end encryption for backup and replication data in flight and at rest.
- Solution should offer encryption key management and recovery for lost encryption keys.
- Solution should support any vendor and type of storage for backup and provide built-in deduplication and compression technology for saving the backup disk space.
- Solution must support VM backups archival to Tape Libraries, Rotating Drives, and VTLs.

Data Loss Avoidance

- Solution should store backup files in a type of self – sufficient storage containers and have no dependency on backup catalog for recovery.
- Solution should provide Changed Block Tracking mechanism for both VMware and Hyper-V platforms for incremental image level backup and replication.
- Solution should use totally agentless approach however it should automatically preserve consistent image level backup and replication of Microsoft VSS dependent applications with ability to truncate the SQL and Exchange transaction logs.
- Solution should provide the Reversed Incremental backup mode, Forever forward incremental and Forward Incremental with Synthetic Full backup rebuild feature in order to provide forever incremental backup approach and reduce impact on production infrastructure.

ناصر الخطيب
رئيس لجنة العطاءات المركزية

علا الأسدي / وزارة الاتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

جمال قادوس / وزارة الإشغال العامة والإسكان

عضو

فادي مصلح / وزارة الاقتصاد

بسام دويكات / الامانة العامة لمجلس الوزراء

رائد التميمي / وزارة المالية

مها القاضي / مؤسسة المواصفات والمقاييس



- Solution should support multiple backup targets with flexibility to replicate a chosen backup sets from primary backup storage to secondary.
- Solution should support replication of VMware and Hyper-V VMs from primary sites to secondary sites.
- Solution should have an ability to limit the consumed bandwidth during offsite replication of backups or Virtual Machines and feature the built-in WAN acceleration technology and network collision tolerance.
- Solution should offer automatic detection and consolidation of backup orphaned snapshots. In case, automatic consolidation was not possible, the solution should notify the administrator by email.
- Solution should support GFS (Grandfather-father-son) retention policies.
- Solution must support Replication of VMs from backup files to avoid overhead on production virtual infrastructure.
- Solution must include Failover Orchestration allowing a 1-click failover to avoid long downtimes.
- Solution must offer a built-in WAN Optimization to allow faster replication VMs and backup files with support for low bandwidth and high latency WAN links.
- Solution should allow parallel backup and Replication of VMs to reduce backup and replication windows.
- Solution must provide a built-in Backup I/O control mechanism to avoid high storage latency during backup time. The solution should provide traffic throttling both globally as well as per individual datastore.
- Solution must not perform backup if free capacity on datastore seems insufficient for backup snapshots.
- Solution must allow running pre and post backup scripts
- Solution should offer self-service portal where users can restore files, VMs, MS Exchange objects and MS SQL databases according to specific granular permissions.
- Solution should automatically backup its configuration and it should provide straightforward mechanism to restore the configuration in case of any failure.
- Solution should support backup of Microsoft Hyper-V Infrastructure with Clustered Shared Volumes (CSV) and Scale-Out SMB3 File cluster.
- Solution should support backup of Microsoft Hyper-V VMs with shared virtual hard disks (vhdx).
- Solution should have the capability to read/write data directly from/to the storage system during backup or replication where VMware VM data or backups are located whether VMware is configured with NFS datastores or SAN datastores.
- Solution should have the capability of offloading the VM data processing during Microsoft Hyper-V VM backup or replication to Microsoft Hyper-V hosts or to a dedicated server – data mover.
- In VMware environment, solution should support backup from storage snapshots for HP, NetApp, and EMC VNX(e) storage systems.
- Solution should provide the capability to exclude or include any file or folder in the image-level backup of Windows VMs without any requirement to install any agent.
- Solution should provide the capability to group and present any number of disk storage systems as one scale-out backup repository independent of the brand, model, and protocol for those storage systems. Solution should automatically store the full or incremental backup files on those storage systems based on locality or performance.
- Solution should provide the capability to exclude or include any file or folder in the image-level backup of Windows VMs without any requirement to install any agent.
- Solution should provide the capability to group and present any number of disk storage systems as one scale-out backup repository independent of the brand, model, and protocol for those storage systems. Solution should automatically store the full or incremental backup files on those storage systems based on locality or performance.
- Solution should integrate with Windows 2016 REFS File System.
- Solution should be able to provide backup for Office 365 and support restore to Office 365.

ناصر الخطيب
رئيس لجنة العطاءات المركزية

علا الأسدي / وزارة الاتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 إلى 2024/1/3

جمال قانوس / وزارة الأشغال العامة والإسكان

عضو

بسام دويكات/الامانة العامة لمجلس الوزراء

فادي مصلح/وزارة الاقتصاد

مها القاضي /مؤسسة المواصفات والمقاييس

رائد التميمي /وزارة المالية

Recovery

- Solution must have an ability to instantly restore any type of Guest OS files from backup with no need to deploy agents in production VMs or Hypervisor before backup.
- Solution must provide an ability to quickly recover the Application Items for Microsoft Exchange, Active Directory, SQL, SharePoint servers from backup.
- In Hyper-V or VMware Virtual Machines replication case solution should provide an Intelligent VM Failover mechanism which includes Failover Plans, automated Re-IP, and network mapping of VMs on DR site and a failback technology which transfers only changed blocks back to production site.
- Solution should have an ability to instantly start multiple Hyper-V or VMware Virtual Machines directly from any backup disk storage at any chosen recovery point ensuring the Recovery Time Objective for production server is equal to High Availability.
- Solution must provide the Windows and Linux Guest OS file indexing feature and comprehensive OS file search engine in order to delegate file recovery operations to help desk or end users.
- Solution must support fast VM roll-back using CBT restore and restore over SAN.
- Solution must support VM configuration and Virtual Hard Disks restore.
- Solution should allow restoration of files and application items to original location or different location.
- Solution should provide capability to restore VM, physical server and workstations as VMs in Azure.

Risk Mitigation

- Solution should be able to leverage the backup infrastructure and provide the instant isolated virtual LAB environment for VMware and Hyper-V Virtual Machines where the VMs are running directly from backup or NetApp, HP, and EMC VNX(e) storage snapshots. The virtual lab can be accessed by Administrator for test purposes and restore operations.
- Solution should provide automated backup, replica verification technology which will guarantee the recoverability of Virtual Machine server at VM, Guest OS and Application levels.

Visibility

- Solution is verified by VMware as VMware Ready.
- Solution is architected and optimized specifically for virtualization.
- Solution has no underlying framework dependencies.
- Solution allows multiple users to simultaneously access monitoring and reporting interfaces.
- Solution collects data agentlessly from hosts, management servers and failover clusters.

ناصر الخطيب
رئيس لجنة العطاءات المركزية

علا الأسدي /وزارة الإتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

جمال قاتوق /وزارة الأشغال العامة والإسكان

عضو

فادي مصلح /وزارة الاقتصاد

بسام دويكات/الامانة العامة لمجلس الوزراء

رائد التميمي /وزارة المالية

مها القاضي /مؤسسة المواصفات والمقاييس



- Solution supports VMware and Hyper-V
- Solution is able to monitor and report on one or more vCenter Servers.
- Solution is able to monitor and report on one or more standalone ESX(i) hosts.
- Solution is able to monitor and report on one or more SCVMMs.
- Solution is able to monitor and report on one or more standalone Hyper-V hosts.
- Solutions is able to monitor and report on one or more Failover Clusters, including specific alarms, reports and charts for Cluster Shared Volumes (CSVs).
- Solution supports comprehensive, single-product licensing that can be easily tracked and managed, e.g. on a per-socket basis.
- Solution deploys quickly and without the use of professional services. Solution includes out-of-the-box features, like automatically triggered data collection, prebuilt alarms, and predefined dashboards and reports, that allow users to begin monitoring and reporting immediately after installation.
- Solution scalability is limited only by machine resources and corresponding hardware scalability recommendations.
- Solution's database can be located on either a local or remote database server.
- Solution initiates and manages performance data collection automatically upon deployment.
- Solution retains historical performance data for up to 3 years.
- Solution collects data on an interval that allows users to monitor all major performance metrics in real-time.
- Solution supports alarms with default notification actions for all virtual infrastructure objects.
- Solution offers reports covering all aspects of the virtual environment - including VM availability (uptime), trend analysis, resource utilization, infrastructure documentation and management, and change tracking - for every object in the virtual infrastructure.
- Solution presents monitoring and reporting data from both technical- and business-oriented perspectives. Business-oriented views are based on user-defined criteria and can include categorizations such as organizational structure, location, SLA, department, etc.
- Solution provides at-a-glance views of health and performance.
- Solution collects performance data every 20 seconds and retains data at this level of granularity for an hour.
- Solution monitors datastore utilization.
- Solution monitors storage clusters.
- Solution provides built-in alerts for issuing alarms if virtual disks grow beyond configured, over-provisioned limits.
- Solution is storage agnostic and capable of collecting the same set of performance metrics and configuration properties for all storage makes and models, such as HP or NetApp.
- Solution monitors datastore I/O counters for keeping tabs on performance issues, such as latency and read and write speeds.
- Solution collects data on hardware sensors to provide a single interface for monitoring the physical status of ventilation, enclosure, power and other subsystems.
- Solution can optionally restrict access to monitoring views on a read-only basis.
- Solution overlays event data on performance graphs for viewing the effect of events on utilization and trends.
- Solution provides visual status indicators on parent objects for at-a-glance notification of potential problems with underlying objects.

ناصر الخطيب
رئيس لجنة العطاءات المركزية

علا الأسدي

علا الأسدي / وزارة الاتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

جمال قلدوس / وزارة الأشغال العامة والإسكان

عضو

بسام دويكات/ الامانة العامة لمجلس الوزراء

فادي مصلح/ وزارة الاقتصاد

مها القاضي /مؤسسة المواصفات والمقاييس

رائد التميمي /وزارة المالية



Veeam Backup & Replication Universal Perpetual License. Includes Enterprise Plus Edition features. 5 years of Production (24/7) Support is included (each VUL has 10VM)

Main Features

Main functionality of Veeam Backup & Replication includes:

- **Backup:** creating image-level backups of virtual, physical, cloud machines and backups of NAS share files.
- **Restore:** performing restore from backup files to the original or a new location. Veeam Backup & Replication offers a number of recovery options for various disaster recovery scenarios, including Instant Recovery, image-level restore, file-level restore, restore of application items and so on.
- **Replication:** creating an exact copy of a VM and maintaining the copy in sync with the original VM.
- **Continuous Data Protection (CDP):** replication technology that helps you protect mission-critical VMs and reach recovery point objective (RPO) up to seconds.
- **Backup Copy:** copying backup files to a secondary repository.
- **Storage Systems Support:** backing up and restoring VMs using capabilities of native snapshots created on storage systems.
- **Tape Devices Support:** storing copies of backups in tape devices.
- **Recovery Verification:** testing VM backups and replicas before recovery.

Additional Features :

- I. Comprehensive Data Protection
- II. Ransomware Protection and Data Security
- III. Hybrid Cloud Acceleration
- IV. Backup and Recovery Modernization

Protected Objects

With Veeam Backup & Replication, you can back up and restore the following objects:

- **Virtual machines:**
 - VMware vSphere VMs
 - Microsoft Hyper-V VMs
 - Nutanix AHV VMs (requires an additional plug-in)
- **Cloud VMs:**
 - AWS EC2 instances
 - Microsoft Azure VMs
 - Google Cloud VMs

علا الأسدي /وزارة الإتصالات وتكنولوجيا المعلومات

جمال قلدوس /وزارة الأشغال العامة والإسكان

فادي مصلح/وزارة الاقتصاد

رائد التميمي /وزارة المالية

بسام دويكات/الأمانة العامة لمجلس الوزراء

مها القاضي /مؤسسة المواصفات والمقاييس

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

ناصر الخطيب
رئيس لجنة العطاءات المركزية
11 of 10Page



- **NAS file shares.** For details, see [NAS Backup Support](#).
- **Physical machines.** To back up machines running Windows, Linux or macOS operating systems, Veeam Backup & Replication uses backup agents installed on each computer. Veeam Backup & Replication operates as a centralized control center for deploying and managing Veeam Agent for Microsoft Windows, Veeam Agent for Linux and Veeam Agent for Mac. For details, see the [Veeam Agent Management Guide](#).

Protected Applications

Native functionality of Veeam Backup & Replication allows you to create application-consistent backups for:

- Microsoft SQL Server
- Oracle Database
- Active Directory
- Microsoft Exchange
- Microsoft OneDrive
- Microsoft SharePoint

Also, you can install the following additional tools:

- [Veeam Backup for Microsoft Office 365](#): for full protection of Microsoft Office applications.
- [Veeam Plug-ins for Enterprise Applications](#): for integration of Veeam Backup & Replication with Oracle RMAN, SAP HANA Backint, and BR*Tools.

Management and Reporting

Veeam Backup & Replication integrates with a set of solutions that provide reporting and management capabilities for enterprise environments:

- [Veeam ONE](#): a solution that enables real-time monitoring, business documentation and management reporting for Veeam Backup & Replication, VMware vSphere and Microsoft Hyper-V.
- [Veeam Backup Enterprise Manager](#): a management and reporting component that allows you to manage multiple Veeam Backup & Replication installations from a single web console.
- [Management Pack for Veeam Backup & Replication](#): a component that integrates Veeam Backup & Replication infrastructure, services and jobs into Microsoft System Center Operations Manager.
- [Veeam Disaster Recovery Orchestrator](#): a solution that orchestrates disaster recovery processes in VMware vSphere environments, supports one-click recovery for critical applications and sites, and provides features for documentation and testing.

Training: 3 seats Official Training including accommodation (door to door)

ناصر الخطيب
رئيس لجنة العطاءات المركزية

علا الأسدي / وزارة الاتصالات وتكنولوجيا المعلومات

تعرض نتيجة الإحالة لمدة خمسة أيام
من 2023/12/27 الى 2024/1/3

جمال قادوس / وزارة الأشغال العامة والإسكان

عضو

فادي مصلح / وزارة الاقتصاد

بسام دويكات / الامانة العامة لمجلس الوزراء

رائد التميمي / وزارة المالية

مها القاضي / مؤسسة المواصفات والمقاييس