



مواصفات العطاء رقم (2024/5)
توريد وتركيب وتشغيل نظام نسخ احتياطي

Veeam Backup Solution

Overview

Al al-Bayt University requires a robust backup solution that adheres to best practices and leverages the advantages of Veeam Backup & Replication to create both on-site and off-site backup copies. The solution is aligned with the 3-2-1-1 rule, which demands maintaining three copies of data on two different media—one onsite (immutable) and one off-site (offline/tape).

The backup plan requires the following: the backup software and backup server, equipped with local storage, serves as the primary backup repository, while the deduplication backup repository (immutable) acts as the secondary backup repository. Additionally, backups will be duplicated to a tape library, with data copied from both the primary and secondary backup repositories to tape for added redundancy.

Technical Specifications (Minimum)

Lot 1: Veeam Backup and Replication Universal License

Veeam Data Platform Advanced Universal (support 80 Hyper-V virtual machines or physical server).

The offer should provide two pricing options for a Subscription license and Support for Veeam Backup and Replication, valid for two and three years.

Product Description	QTY	Compliance (Yes/No)
Veeam Data Platform Advanced Universal Subscription License. Includes Enterprise Plus Edition features. 10 instance pack. Subscription Production (24/7) Support.	8	
Installation, Configuration, upgrade, update last version, Vendor and Local Support included all Veeam software components-backup server, proxy servers, Mount server, gateway servers, and tape server, Backup Repositories, Veeam ONE and all needed backup and restore jobs.	LoT	
Veeam Backup and Replication Universal License that support Backup and restore all kind of physical (Windows, Linux, Unix) and virtual machines (VMware, Nutanix AHV, Hyper-V), Oracle database Oracle RAC for Oracle Solaris 10, 11 (x86_64, SPARC), Veeam Plug-in for Oracle RMAN must supports Oracle Real Application Clusters (RAC).	LoT	
<ul style="list-style-type: none"> The activation date of the Veeam Backup and Replication software licenses should begin after a bidder supplying and operating the backup server. 		

Lot 2: Backup Server**(QTY 1)**

Backup Server with Internal Storage Capacity used for all Veeam software components; backup server, proxy servers, Mount server, gateway servers and tape server and also local backup repositories with the following specifications:

Item	Description	Compliance (Yes/No)
Form Factor	Rack mountable.	
Processors	2 x Intel Xeon GOLD CPU (16 Core,22M Cache, 2.90 GHz).	
Installed Memory	128GB (4 x 32GB) DDR4 RDIMM expandable to at least 512 GB.	
Cooling	Hot-Plug Redundant fan .	
Power Supply	Dual,Hot-plug,Redundant Power Supply	
Networking	<ul style="list-style-type: none"> - 4 x 10GbE Base-T Ports - 2 x 10Gb SFP+ - Additional 2 SFP transceivers that shall be installed in the Data Centre switches HPE Flex Fabric 5700 ToR Switch must be offered. - 2 x 16Gb FC HBA auto negotiation 4 /8/16 Gbps 	
Raid Controller	RAID 0,1,5,6,10,50	
Storage	<ul style="list-style-type: none"> - OS: 2 x 1.6TB SAS 12GBbs Mixed Use SSD - HDD (Capacity): 6 x 8TB 12GBbs 7.2K RPM Hot Plug 	
Raid Controller Cache	4GB	
Slots/Ports	4 USB 2.0 Ports	
Media Drive	DVD RW Drive	
Management	Integrated Management Port with remote management feature should be included.	
Operating System	Microsoft Windows Server(2022,2019,2016), RedHat Linux, VMware, Hyper-V.	

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Accessories	All needed, cables, fiber cables, SFPs, and all accessories to be mounted in a standard rack cabinet.	
Warranty	3 years warranty (parts, labor, onsite support).	
<p>- The bidder is committed to the following:</p> <ol style="list-style-type: none"> 1. Supply, install and operate the server to be ready to install the Veeam Backup Replication system software and to be connected to Tape Library when needed and upon request, as the university currently has: <ul style="list-style-type: none"> ○ HPE StoreEver MSL 3040 Tape Library (LTO-8 Tape Library). ○ IBM Total Storage TS3200 Tape Library LTO 3 2. Set up Internal Storage Capacity and create a local repository for Veeam. 		

Lot 3: Backup Storage**(QTY 1)**

Backup storage shall be a purpose-built backup appliance and shall be certified to work with Veeam Backup systems with the following specifications:

Item	Description	Compliance (Yes/No)
Capacity	Minimum of 50 TB usable capacity (before deduplication and compression). Raid 6 or equivalent with hot spare disk, hot-swappable.	
Deduplication	Deduplication and compression support on the entire 20:1 deduplication.	
Host Interface	<ul style="list-style-type: none"> - 2x 10GbE Base-T Ports - 2 x 10Gb SFP+ - Additional 2 SFP transceivers shall be installed in the Data Centre switches HPE Flex Fabric 5700 ToR Switch must be offered. - 2 x 16Gb FC HBA auto negotiation 4 /8/16 Gbps. 	
Transfer rate	25 TB/hr	
Immutable	Backup Storage must support immutability with Veeam	

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	Backup. Immutability protects data from loss as a result of malware activity or unplanned actions. A software that prevents files from being modified or deleted for a user-defined retention period.	
Veeam compatibility	Compatible with Veeam as Deduplicating Storage Appliances.	
Connectivity	Should work over LAN, and FC network	
Power Supply and Cooling	Redundant power supplies, hot-swappable Redundant fan, hot-swappable.	
Security	Must support protection against ransomware and other malware (bidder shall clarify in details all supported and provided features for security).	
Accessories	All needed, cables, fiber cables, SFPs, and all accessories to be mounted in a standard rack cabinet.	
Management	Integrated Management Port with remote management feature should be included.	
Warranty	3 years warranty (parts,labor,onsite,Installation,Configuration,support).	
	<ul style="list-style-type: none"> The bidder is committed to supplying, installing and operating it to be ready to connect with the Veeam as Deduplicating Backup Repository with security setup and configuration. 	

Lot 4: LTO 3 Tape with Barcode Label**QTY (25)**

LTO3 Ultrium 400GB (400GB Uncompressed/800 compressed GB), (RW) Rewritable cartridge, must be Compatible with IBM system storage TS3200Tape Library.

- **General Terms and Conditions**

- 1- The Bidders shall represent a Similar or higher projects that they installed/configured.
- 2- Bidders should have a valid partnership with the vendors of product offered. A recent certificate or letter of partnership must be provided.
- 3- Bidder must be in business and a registered company in Jordan for at least 3 years.
- 4- The bidders shall offer a complete system solution inclusive of the design, supply, installation, testing, commissioning and maintenance.
- 5- The Bidder must have enough experience to configure new storage backup with Veeam software with a list of employee's C. V's who have the adequate experience to install and configure all HW and SW, the candidate must be certified by the vendors provided.
- 6- The bidder must install and connect and configure the delivered Backup Software on AABU HW and connect them to the existing Tape Libraries, NAS, and Backup Storage.
- 7- Bidder shall deliver all the hardware, software, licenses and professional services for all the proposed solution components within the declared timeframe (3 years) which shall guarantee that the implementation of the proposed solution is guaranteed without any additional component(s) (hardware, software, licenses and professional services).
- 8- Any additional fees to guarantee the smooth and well-defined implementation even from the bidder side or any third party will be the responsibilities of the bidder and on his own account.
- 9- The bidder should provide offer for 3 years' product warranty support from Vendor and from local company including any software upgrades for all provided solution components (All devices, hardware, and software components).
- 10- Bidder shall clarify if the backup storage need license independent of hardware so in case after 3 years' product warranty end require new software cost, it shall be quoted separately.
- 11- All required SFP+ transceivers, cabling, connectors, accessories, installing and commissioning are the responsibility of the Supplier.
- 12- Bidder shall apply quarterly health check for the proposed solution components.

- 13- Bidders must ensure that the equipment that they are proposing will be new, factory equipped, and that no item is refurbished or used. Al al-Bayt University requests an official letter from the vendor that all supplied items with their serial numbers are specially sold to Al al-Bayt University.
- 14- All Microsoft licensing is the responsibility of Al al-Bayt University, any other licensing should be stated clearly in the financial RFP and should be priced for at least three years.
- 15- Bidders are required to provide a list of employee's C.V's who are candidate to install and configure all devices, the candidate must be certified by the provided vendor. Minimum two Certified Engineers for the whole solution components or partially.
- 16- Prices include installation operation and maintenance of all offered (HW&SW) and knowledge transfer and site training for the technical staff as specified in the specification.
- 17- All bid items from (HW&SW) must be from well-known international brands
- 18- The compatibility of all components of the system with each other is the responsibility of the company.
- 19- The Specifications Checklist sheet must include the required equipment's.
- 20- Documents should be provided in separate financial and technical envelopes.
- 21- Bidder shall be responsible to configure the backup solution for all AABU existing and any new system within the timeframe of warranty and support as a part of support services.
- 22- All bidders are welcome for site survey.

الشروط الخاصة:-

1. هذا العطاء يشمل اربعة بنود وهو قابل للتجزئة.
2. تقدم الأسعار بالدينار الأردني شاملة جميع أنواع الضرائب وشاملة ضريبة المبيعات ومغفأة من الرسوم الجمركية.
3. الأسعار تشمل التوريد والتركيب والتشغيل في المواقع التي تحددها الجامعة.
4. الجامعة غير مقيدة بأقل الأسعار، ولها الحق في تجزئة العطاء أو إلغائه كلياً أو جزئياً إذا اقتضت مصلحة الجامعة ذلك وفي أي مرحلة من مراحل العطاء، دون أن يكون للمناقصين الحق في المطالبة بأية خسارة أو ضرر ناتج عن ذلك.
5. يلتزم المناقص التي يحال عليه العطاء بتقديم كفالة حسن تنفيذ بنسبة (10%) من القيمة الإجمالية للإحالة، سارية المفعول طيلة مدة العقد.
6. يلتزم المناقص التي يحال عليه العطاء بتقديم كفالة صيانة بقيمه 5% من قيمه العطاء على شكل كفاله بنكيه او شيك مصدق سارية المفعول طيلة مدة العقد.

7. على المناقص ان يبين في العرض المقدم منه بلد المنشأ للوازم المعروضة واسم الشركة الصانعة ومنشأها والماركة والاسم التجاري او النشرة الخاصة بالوازم المعروضة بشكل واضح ودقيق.
8. تحديد مدة التسليم بنود العطاء المعروضة.
9. تقديم كتالوجات لجميع البنود وتعتبر جزء لا يتجزأ من العرض المقدم.
10. تكون جميع الأجهزة جاهزة للعمل حسب المواصفات المطلوبة وتوريد جميع توصيلاتها وملحقاتها اللازمة للعمل.
11. يحق للجامعة إلغاء العطاء في أي وقت ودون إبداء الأسباب.