



# AfricaConnect3 – Cluster 2

## Request for Quotation for WACREN

RFQ for the provision of hyper converged cluster Hardware,  
Virtualisation Software and licencing package,  
support plan and training.

Date of Issue: [July 2020](#)

Dissemination Level: Public

Owner: GÉANT & WACREN

Version: 1.00

Reference Number: [WACREN Cloud Infrastructure Cluster RFP](#)

## 1 Definitions

Terms	Definitions
<b>Attachment</b>	A document made available to Bidders in relation to this procurement exercise
<b>Bidder</b>	A Supplier submitting a tender for the supply of the requested Products and / or Services.
<b>Commencement Date</b>	The date the Services start to be delivered.
<b>GÉANT</b>	<p>The contracting party, GÉANT, who is inviting Suppliers to participate in this procurement process.</p> <p>GÉANT Vereniging is a not-for-profit organisation, owned by its core membership of 41 NRENS. More information on the GÉANT Project and GÉANT Network can be found at <a href="http://www.geant.org">www.geant.org</a>.</p>
<b>Service(s)</b>	The services as described in this document, which the supplier has agreed to offer under the standard contractual terms supporting the supply of goods and / or services and which GÉANT has instructed the Supplier to carry out in an order.
<b>Solution</b>	A Supplier's response to GÉANT's RFQ in the form of an offer capable of acceptance made by the Supplier as a proposal to meet the requirements set out in this document .
<b>Statement of Requirements</b>	A statement issued by GÉANT detailing its Service requirement issued in accordance with the RFQ.
<b>Supplier</b>	An Economic Operator and could be a registered company, charitable Organization, Voluntary Community and Social Enterprise, Special Purpose Vehicle or other form of entity, who is capable to offers the requested Services.
<b>Tender</b>	The bid(s) prepared and submitted by Bidder in response to this RFQ).



## 2 Foreword

GÉANT reserve the rights:

- to award one or more or no contracts whatsoever as a result of this procurement process;
- to add components to the scope of the required services or remove components from the scope of the required Services in any contract which may be awarded;
- to vary the bid timetable (including the content of the phases) as it considers appropriate at any time. Any material changes will be notified to the person each Tenderer has nominated for contact purposes;
- to make whatever changes it sees fit to the structure or content of the procurement process, within the bounds of the relevant legislation;
- to withdraw this RFP at any time or to re-invite Responses on the same or any alternative basis;
- to seek clarification in relation to the information submitted by the Bidders. The Bidders must respond promptly in writing; and
- to select a Response which is incomplete or not formatted in accordance with this RFP or not provided in the media required by this RFP regardless of whether other complete or more complete Responses or Responses formatted in accordance with this RFP were submitted.

Any expenditure, costs, liability, work or effort undertaken or incurred in proceeding and/or participating in this procurement ("Tenderer Costs") is a matter solely for the commercial judgement of Tenderers, and GÉANT will not be liable to reimburse or compensate the Tenderers in respect of any of the Tenderer Costs.

## 3 Introduction

### 3.1 Contact Person

The contact person for this RFQ is:

Alain Aina (WACREN) – for all technical queries

CTO WACREN

T: +228 90 04 24 74

E: [cto@wacren.net](mailto:cto@wacren.net)

Phil Matthews - GÉANT - for all administrative queries

Procurement Specialist

E: [phil.matthews@geant.org](mailto:phil.matthews@geant.org)

### 3.2 About WACREN

WACREN is the West and Central African Research and Education Network which supports interconnections and fosters collaboration between R&E institutions in the region and international peers by building and operating a world class network infrastructure, developing state of the art services, promoting collaboration among national, regional, and international R&E communities, and building the human capacity of the REN community.

### About GÉANT

GÉANT plans, builds and operates advanced networks for research and education, including the pan-European network known as GÉANT. GÉANT has been the implementing partner in AfricaConnect to date since 2011. GÉANT (as the coordinator of all Clusters)



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will provide support with the contracts directly tendered and concluded between providers and WACREN, always in compliance with EU procurement principles and formal regulations (where applicable).

### 3.3 Background

The objective of WACREN is the promotion and establishment of interconnections between national research and education networks in West and Central Africa to form a regional research and education network, the interconnection of this network with other regional and continental networks, and the provision of services aiming at fostering collaboration between research and education institutions in the region as well as between them and peer institutions at continental and international levels.

As part of the development of its infrastructure and roll out of new applications and services to the community it serves, WACREN is upgrading its existing cloud infrastructure. This consists of adding servers as well as storage capacity to the existing infrastructure that is currently hosted in a data center in Lagos.

### 3.4 Objective of this Procurement

The objectives for this call for competition are:

- the creation of a new cluster, which may evolve into federation covering other clusters in the region and out of the region;
- support for features like central management; backup APIs; clustering; storage migration;
- technical responses from bidders that describe the proposed solution, including the licencing model, methodology and timeline of the installation.

## 4 Statement of Requirements

### 4.1 Procurement plan

Below indicated procurement plan, provides an overview of the key stages and dates in this procurement. GÉANT reserves the right to change these dates as necessary, although it will seek to minimise any changes.

- |  |   |
|--|---|
| 1) RFQ issued:                           | 20th July 2020                                    |
| 2) Deadline for clarification Questions: | 29th July 2020                                    |
| 3) Deadline for Quotation responses:     | 3 <sup>rd</sup> August 2020                       |
| 4) Contract evaluation / intent to award | 10 <sup>th</sup> August 2020                      |
| 5) Commencement Date:                    | Linked to delivery lead time from Bidder response |

### 4.2 Conditions of Contract

For the supply of the requested Services, raised under an approved Purchase Order for values below the EC thresholds, the standard contractual terms supporting the supply of goods and / or services of GÉANT Association are applicable. These terms can be downloaded from: [https://www.geant.org/About/Joining\\_GEANT/Pages/Terms-and-Conditions.aspx](https://www.geant.org/About/Joining_GEANT/Pages/Terms-and-Conditions.aspx)

Applicable taxes are extra and must be itemized separately in your proposal and all and any additional costs must be detailed in your quotation.

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### 4.3 Specification

#### 4.3.1 Detailed background

WACREN is upgrading its existing cloud infrastructure. This consists of adding servers (and storage capacity) to the existing infrastructure that is currently hosted in a data center in Lagos.

#### 4.3.2 Scope

Purchase of hardware, S/W licencing, 24x7 break fix support and maintenance

#### 4.3.3 Specifications

The technical specifications are as stated below:

Designation	Specifications	Quantity required	Price (Euros)
Hyper converged cluster solution	<b>Servers:</b> <ul style="list-style-type: none"> <li>o CPU: 2* Intel(R) Xeon(R) 6.40GHz (20 cores):</li> <li>o Memory: 4TB</li> <li>o HDD: 2TB</li> <li>o NIC: 4 dual-mode (1GbE/10GbE) small form-factor pluggable transceiver (SFP/SFP+)</li> <li>o Cluster expansion without downtime</li> <li>o Hot-pluggable SSD</li> <li>o Redundant power supplies</li> <li>o Integrated storage controller with battery-backed cache</li> </ul>	4	
	<b>Cluster Storage:</b> 50 TB	2	
	<b>Ethernet Switch</b> <ul style="list-style-type: none"> <li>o 24 fixed dual-mode 1GbE SFP/10GbE SFP+ Layer 2 and Layer 3 Ethernet Switch</li> <li>o At least 2 Uplink ports of 40GE</li> <li>o Switching capacity: 1.44 Tbps (bidirectional)</li> <li>o MAC addresses per system: 288,000*</li> <li>o VLAN IDs: 4,091</li> <li>o Number of ports per LAG: 32</li> <li>o Number of FCoE VLANs/FC virtual fabrics: 4,095</li> <li>o Jumbo frame: 9,216 bytes</li> <li>o Ten (10) 10GE SPF+ transceivers</li> </ul>		
Virtualisation software and Licencing	VMware, Hyper-V or Red Hat Virtualization and Licencing	As applicable	
Hardware and Software support	Basic scheme 24X7 support	4 years	

Bidders must state the software licencing requirements associated with the offered Virtualisation software



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Response:

Bidders **must** provide the user of the software with an appropriate 3rd party IPR indemnity.

Response – confirmation of acceptance of Clause 10 of the terms and conditions @ [https://www.geant.org/About/Joining\\_GEANT/Pages/Terms-and-Conditions.aspx](https://www.geant.org/About/Joining_GEANT/Pages/Terms-and-Conditions.aspx) [YES/ NO]

Bidders **must** state the lead time for the equipment and for installation

Response:

Leadtime for delivery from point of order

Implementation milestones:

Bidders **must** clearly state all applicable duties and taxes associated with the offer being made.

Response:



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Bidders must describe their support arrangements, setting out where support for the installed equipment will be provided from, the number of engineers available, contact details for 1<sup>st</sup> line trouble ticketing and the committed response and fix times that are offered as part of the pricing set out above;

Response:

4.3.4 Pricing Schedule

Bidders should set out their pricing in the yellow column (above) to the right of the technical specification for each of the specific aspects please.

4.4 Details about the Bidder

Representation	Answer
Full name of Bidder primary contact	[text]
Position/Acting in the capacity of:	[text]
VAT-number, if applicable:	[number]
National identification number, if applicable.	[text]
D.U.N.S. number, if applicable:	[number]
Postal address Line 1:	[text]
Postal address Line 2:	[text]
Postal address Town/City:	[text]
Postal address Region:	[text]
Postal address Postcode:	[text]
Postal address Country:	[text]
Telephone (including dialling code):	[number]
Mobile (including dialling code):	[number]
Email:	[number]
Internet address (web address) (if applicable):	[text]
Name of parent company (if applicable):	[text]
Name of ultimate parent company (if applicable):	[text]
Bidder Legal Status:	<input type="checkbox"/> Sole Trader <input type="checkbox"/> Private Limited Company <input type="checkbox"/> Public Limited Company <input type="checkbox"/> Partnership <input type="checkbox"/> Other