



Independent Communications Authority of South Africa

350 Witch-Hazel Avenue, Eco Point Office Park

Eco Park, Centurion

Private Bag X10, Highveld Park 0169

APPOINTMENT OF THE SERVICE PROVIDER TO ASSIST ICASA WITH FULLY INTEGRATED OFFSITE DATA BACKUP & CLOUD DATA PROTECTION SERVICES FOR A PERIOD OF 5 YEARS ON AN 80/20 PPPFA 2000, PREFERENTIAL PROCUREMENT REGULATION: 2022

1. Purpose of the Submission

The purpose of this submission is to appoint the service provider to assist ICASA with fully integrated offsite data backup & cyber recovery solution that meets ICASA's operational, business continuity and information security requirements for a period of 5 years.

2. Background and Scope

Integrated business and IT continuity as well as data backups are a critical service that is required to ensure that ICASA is not put at risk from business continuity in the event of theft, fire or any other disaster that affects the servers in the IT server room.

ICASA Head Office hosts a Microsoft and Linux environment for central authentication, file sharing, centralised application hosting and Storage Area Network (SAN), interconnecting to 8 regional offices through a 10Mbps MPLS links and a centralised 200 Mbps link to the internet. There is also 2 X 300MB SD WAN tunnel between the ICASA datacentre and the Acronis Cloud dedicated for backups and restores.

3. Specifications

The terms of reference / specifications for backup and disaster recovery solution for a period of 5 years. In summary the following is required.

No.	Summary
3.1	80 X - VM Workload Advanced Backup - Full Image + File and Folder Includes 2TB Storage Per VM
3.2	4 X – Physical Server Workload Advanced Backup - Full Image + File and Folder Includes 3TB Storage Per Server (Physical Servers)
3.3	30 X Disaster Recovery - TB - Hosted Public IP address - Cyber Protect
3.4	Twice per annum scheduled DR - Test Restores, Failover and Failback Testing (6-10 Servers for each test)
3.5	400 X Backup of active Microsoft User's data (SharePoint, Teams and OneDrive)
3.6	82 X Patch Management for all servers being backed up
3.7	Daily checks on backup status, daily and monthly reports as well as monthly SLA meetings
3.8	Updated Manuals (DR Plan, Backup Plan, DR Strategy, Solution Architecture, Recovery procedures)
3.9	Current backups which are on the ACRONIS cloud must be exported to the proposed solution. The current backup size is approximately 70Tb in total.

4. Briefing Session

There will be no briefing session conducted.



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5. Mandatory Conditions

Mandatory Condition	Comply	Not Complied
The service provider must provide evidence of being a fully accredited OEM solution partner.		
The service provider must be able to provide a complete managed service for backups, DR testing and recovery as this solution is required to be a complete 'end-to-end' service provided by a single chosen service provider		
The service provider to provide their own backup software, licenses, appliance, hardware to support Hyper-V Cluster and VMWare Cluster and host existing VM's as per Annexure C.		
The service provider to ensure that all data is encrypted at rest and in transit. The SP to also provide and secure confidentiality of all data according to proven and current implemented security policies as per the industry recognised standards while complying with PAIA and POPI Act.		



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6. EVALUATION CRITERIA

The bid will be evaluated in four (4) phases as outlined below:

Phase	Description
Phase 1	The Administrative Compliance
Phase 2	The screening of mandatory documents
Phase 3	The evaluation of functionality criteria
Phase 4	The evaluation on price and specific goals

Evaluation Criterion	Weight	Scoring Criteria
Bidder's experience Provide a minimum of 3 contactable Customer references where disaster recovery/Business continuity services have been rendered successfully in the last 5 years. <i>Note: Customer References must be from the Customer on their letterhead detailing the work/services offered and contract start & end date.</i>	30	1 = No references provided 2 = One (1) reference provided detailing the work/services offered, contract duration and contract value 3 = Three (3) references provided detailing the work/services offered, contract duration and contract value. 4 = Four (4) references provided detailing the work/services offered, contract duration and contract value. 5 = More than Four (4) references provided detailing the work/services offered, contract duration and contract value. -
Technical Requirements	50	1 = comply with less than all technical requirements on Annexure A

Evaluation Criterion	Weight	Scoring Criteria
Compliance with technical requirements of the bid (Annexure A)		5 = comply with all technical requirements on Annexure A
Reporting Requirements Compliance with Reporting Requirements of the bid (Annexure B)	20	1 = does not comply with all requirements on Annexure B 5 = comply with all requirements on Annexure B
Total	100	Minimum threshold is 70

- Only bidders who passed the threshold of 70/100 for functionality will be evaluated further for price and Special Goals.

Annexure A: Technical Requirements

<i>ICASA requires a Service Provider to provide a hosting (fixed site) or hybrid cloud solution with the following requirements:</i>	Yes	No	Notes
Recovery of ICASA's systems on Proposed Solution Infrastructure.			
Storage to support current storage requirement of 100TB raw data with growth of 15% per annum. Refer Annexure E for detailed breakdown of servers.			
Daily backups of all servers are required to be retained for at least 14 days.			
Weekly backups of all servers are required to be retained for at least 4 weeks.			
Monthly backups of all servers are required to be retained for at least 12 months (12 months cycle required).			

<i>ICASA requires a Service Provider to provide a hosting (fixed site) or hybrid cloud solution with the following requirements:</i>	Yes	No	Notes
Annual backups (end of March each year) to be retained forever.			
Recovery Time Objectives (RTO) that need to be supported: Refer Annexure C for Business Impact Analysis and Annexure D for RTO & RPO (Recovery Point Objective).			
Sufficient hardware to support the recovery of all ICASA systems. Provision to be made for an increase in number of servers at 10% per annum.			
Service Provider to supply all the Software licenses required for the complete solution.			
At the end of the contract period the 12 monthly backups as well as the annual backups must be made available to ICASA for ownership at no additional cost.			
Provision for 6 working days per annum for DR testing. During which time two sets of tests must be completed. This will encompass 6-monthly recovery testing of 3 days each, during which time specific servers will be restored to ensure full system functionality.			
Dedicated technical support during rehearsals as well as during invocation.			
Service Provider to provide a report on the outcome of each recoverability tests for use by ICASA IT management as well as for the auditors.			

<i>ICASA requires a Service Provider to provide a hosting (fixed site) or hybrid cloud solution with the following requirements:</i>	Yes	No	Notes
Provide technical staff to do implementation, migration and testing in conjunction with ICASA staff.			
Verify that backup processes are correct and revise the processes until successful and consistent recovery is achieved.			
Record the recovery times so that an accurate recovery time-line can be determined with dependencies.			
SP to develop procedures on the addition of new servers to be backed up as well as procedures to recover or failover servers.			
ISO/IEC 27001/ SOC2 certificate to be submitted to ICASA annually.			
Business Continuity Policy and Plan.			
IT Backup Strategy as well as ICASA DR Policy and Plan.			
Business Impact and Risk Assessments with Continuity Strategy.			
An SLA driven managed service according to internationally recognised standards and best practises to ensure that ICASA meets their Recovery Time and Recovery Point Objectives.			
Data is of utmost importance and must be secure at all times. The vendor must be in a position to demonstrate their security policies and procedures to ensure that this data is secure at all times. This must include network			

<i>ICASA requires a Service Provider to provide a hosting (fixed site) or hybrid cloud solution with the following requirements:</i>	Yes	No	Notes
management and monitoring to facilitate the replication process.			
A sample Service Level Agreement which will be the basis for incorporating all requirements as per this bid requirements.			
Fixed pricing for a 5-year contract with monthly payments.			
Any variable costs for exceeding the processing or storage limits as specified.			
Backing up of Microsoft 365 (SharePoint, OneDrive, Teams) for 400 licenced users.			
Automated Server Patching enablement for all servers that are being backed up.			
Current backups on the Acronis Cloud must be copied to the proposed solution (approximately 70Tb).			

Annexure B: Reporting Requirements

<i>The following are the minimum mandatory reports that are required by ICASA</i>	Yes	No	Notes
Daily Backup status report to be mailed to ICASA Team.			
Monthly report showing backup status for each day of the month and available data storage space on recovery volumes.			
Monthly SLA report reflecting the backup status report / report of scheduled DR tests. Monthly report to also include list of all user profiles with their roles that have access to the ICASA tenant on the Proposed Solution.			
Quarterly SLA Meetings (face to face or via Microsoft Teams).			

Invocations Costs

The bidder must provide an indicative cost per day/week/month in the event ICASA declares a disaster and the ICASA servers need to be run on the Proposed Solution.

PHASE 4: PRICE AND SPECIAL GOALS

Bidders who comply with the requirements of this bid will be evaluated according to the preference point scoring system as determined in the Preferential Procurement Regulations, 2022 pertaining to the Preferential Procurement Policy Framework Act, Act No 5 of 2000.

Annexure C

Business Impact Analysis

The table below shows a summary of all Risks, Impacts and Strategy options.

Annexure B

<i>Organisation</i>			<i>Continuity Drivers</i>		<i>Continuity Strategy Summary</i>		
Primary Group	Business Unit / Function	Mission Critical Activities	Key Risks	Significant Impacts	Preventive Measures	Detective Measures	Corrective Measures
Regulation, Inspection, licensing & Consumer Complaints	Administration	- Accommodation - E-Mail - File and Print Services - Maintenance of and Access to physical Records - Ability to work	- Failure of IT Systems - Unavailability of Records - Accommodation - Loss of communications	- Inability to perform mandate tasks - Delays - Loss of records - Potential loss of control communications environment	- Sound Security - Sound OHS Practice	Monitoring	- Work area recovery - Remote access to systems
Administration and Support	Financial Control	- General Ledger - Procurement	- Loss of financial control - Inability to procure timeously	- Losses & inaccuracy - Logistics impacts	None	None	Work Area Recovery
	Human Resources	- Human Resources - Labour Relations - Salaries	- Labour Union Action - BBBEE Quotas - Staffing & Skills - Leakage of confidential information	- Monitor Labour/WPF - BBBEE status - Training program failure - Reputational damage & POPI impact	- Engage with labour/WPF & unions - Good hiring policy - Business driven training - Digitisation & security of staff records	Monitor Labour/Union action	Work Area Recovery
Information Technology	Systems	- E-Mail - Internet Access - Systems and Infrastructure Support	- Systems Failures - Data loss & corruption - Network failure - Infrastructure failure - Security Breaches	- Systems not operable - Data leakage - Loss of information	- Maintenance - System replication - Backup - Effective Change control	- Monitoring - Capacity planning - Integrity checking - Security Testing	- Failover - Data Replication
	Infrastructure	- Data Backup & Archiving - System Replication - IT Service Continuity	- Environment failure - Hardware Failure - Network failure - Power Failure	Inability to access systems	- Sound Maintenance - Security monitoring - Security policy - Data protection	- Monitoring - Capacity planning - Integrity checking - Testing	- Tested recovery - Failover to GCSA Linksfield - Off-site storage
Universal	All	- Worker accommodation - Security	- Inability to accommodate - Staff and assets at risk	- Inability to work - Loss of assets or damage	- Sound Security - Sound OHS Practice	- Surveillance - Emergency Response	Work Area Recovery

RTO & RPO

Entity	Bus Unit	Mission Critical Activities	ICT Systems Dependency	RTO Hrs	RPO Hrs	Potential Impact	Impact Unit	Comments
All	All	File & Print Services	Servers, Local Area Network, Wide Area Network, Domain Control	90 days	N/A	Inability to share files easily, Inability to access shared files, Impaired operational capability	Time & Effort	
All	All	E-Mail	Microsoft Exchange Online	4hrs	1hr	Loss of communications with Branches, Loss of Communications with Licensees & Counterparties, Loss of Communications with all external parties, Inability to mail files and reports internally and externally, Inability to communicate with key stakeholders (consumers)	Time & Effort	e-Mail is a universal enabler for routing electronically based work between parties. Microsoft and E-purifier will provide resiliency.
All	All	Log on to systems and authenticate	Domain Controller	4hrs	1 day	Non-availability of IT systems and shared infrastructure	Time & Effort	
Finance	Finance	Availability of General Ledger	Servers, Local Area Network, Wide Area Network, Domain Control, JD Edwards System	8hrs	8hrs	Loss of control over finances in the longer term	Time & Effort	
Finance	Finance	Availability of Debtors System	Servers, Local Area Network, Wide Area Network, Domain Control, JD Edwards System	8hrs	8hrs	Loss of control over debtors book and revenue in the longer term	Cash Flow, Time & Effort	
Finance	Finance	Availability of Creditors System	Servers, Local Area Network, Wide Area Network, Domain Control, JD Edwards System	8hrs	8hrs	Inability to procure & pay. Reputational damage & supply chain risk.	Cash flow, supply shortages.	

Entity	Bus Unit	Mission Critical Activities	ICT Systems Dependency	RTO Hrs	RPO Hrs	Potential Impact	Impact Unit	Comments
Procurement	Finance	Availability of Procurement systems	Servers, Local Area Network, Wide Area Network, Domain Control, JD Edwards System	8hrs	8hrs	Impaired ability to procure goods and administer creditors	Project delays, supply shortages.	
Procurement	Finance	Supplier Verification	Servers, Local Area Network, Wide Area Network, Domain Control. Internet based verification services	48hrs	N/A	Inability to verify Supplier Validity, Tax Clearance, CIPC, BBBEE, Bank Details & National Treasury Blacklist	Compliance Risk, Supply Chain Risk	
All	All	Voice Communications	Wide Area Network, Local Area Network, SIP, Inbound Telkom Service	4hrs	N/A	Impaired ability to carry out voice communications.	Time & Effort	
Information Technology	IT	Backup and archiving	All Servers, Local Area Network, Wide Area Network, Domain Control. Backup Servers and storage at Pin Mill Farm and Recovery Centre.	4hrs	24hrs	Risk of inability to recover. Potential data loss. Inability to recover.	Information Security risk.	
Licensing	Licensing	License Administration	Spektrum or ASMS. Servers, Local Area Network, Wide Area Network, Domain Control	8hrs	4hrs	Inability to issue or administer licenses	Cash Flow, Time & Effort	
All	All	Access to Internet	Local Area Network, Wide Area Network, Domain Control	4hrs	N/A	Teams, Emails, Internet banking, research, supplier verification impaired	Time & Effort	
Human Resources	Human Resources	Production of Payroll	Servers, Local Area Network, Wide Area Network, Domain Control, VIP Payroll System	30 days	N/A	Delays in payroll production. Internal Reputation.	Time & Effort. Internal reputation	

Entity	Bus Unit	Mission Critical Activities	ICT Systems Dependency	RTO Hrs	RPO Hrs	Potential Impact	Impact Unit	Comments
All	All	Provision of Workplace facilities and workstations	All Servers, Local Area Network, Wide Area Network, Domain Control, Workstations.	N/A	N/A	Disruption of all work activities.	Time & Effort. Internal reputation	All Employees have laptops. They can work remotely
Various	All	Regulatory – Complaints	All Servers, Local Area Network, Wide Area Network, Domain Control, Workstations, EDRMS & CRM System	48hrs	24hrs	Disruption of all work activities related to complaints and / or inspections. Inability to track resolution	Time & Effort. Reputation	
Various	All	Regulatory - Interference complaints	All Servers, Local Area Network, Wide Area Network, Domain Control, Workstations, EDRMS & CRM System	48hrs	24hrs	Disruption of all work activities related to complaints and / or inspections	Time & Effort. Reputation	
Various	All	Inspections	All Servers, Local Area Network, Wide Area Network, Domain Control, Workstations, EDRMS & CRM System	4 hrs	24hrs	Disruption of all work activities related to complaints and / or inspections	Time & Effort. Reputation	
Human Resources	Human Resources	Human resources administration	Servers, Local Area Network, Wide Area Network, Domain Control, EDRMS	30 days	24 days	Impaired HR Administration	Time & Effort. Internal reputation	
Finance	Select	Electronic Banking	Local Area Network, Wide Area Network, Domain Control - Banking Dongal.	30 days	N/A	Inability to pay or obtain banking information	Time & Effort Delays	
Compliance & Consumer Affairs	Compliance & Consumer Affairs	Requests for interconnect agreements	Servers, Local Area Network, Wide Area Network, Domain Control, EDRMS, ASMS (Spektrum)	5 Days	2 days	Inability to meet SLA	Time & Effort. Reputation	

Annexure C

Hypervisor Platform	VM Name	Host Node	Storage (GB)	Storage Usage (%)	Storage Used (GB)	OS	Backup Frequency	DR Enabled
Hyper-V	ICASA-ASMPD-ALBPM1	ICASA-HYPERV3	200	5%	9	AlmaLinux-10.0	Daily	Yes
Hyper-V	ICASA-ASMPD-ALBPM2	ICASA-HYPERV3	200	4%	9	AlmaLinux-10.0	Daily	Yes
Hyper-V	ICASA-ASMPD-ALBPM3	ICASA-HYPERV3	200	4%	9	AlmaLinux-10.0	Daily	Yes
Hyper-V	ICASA-ASMPD-ALLB	ICASA-HYPERV3	200	2%	5	AlmaLinux-10.0	Daily	Yes
Hyper-V	ICASA-ASMPD-DB2	ICASA-HYPERV3	4296	8%	336	Windows Server 2022 Standard	Daily	Yes
Hyper-V	ICASA-ASMQA-ALBPM1	ICASA-HYPERV3	20	93%	19	AlmaLinux-10.0	Weekly	No
Hyper-V	ICASA-ASMQA-ALBPM2	ICASA-HYPERV3	20	63%	13	AlmaLinux-10.0	Weekly	No
Hyper-V	ICASA-ASMQA-ALBPM3	ICASA-HYPERV3	20	59%	12	AlmaLinux-10.0	Weekly	No
Hyper-V	ICASA-ASMQA-ALLB	ICASA-HYPERV3	20	56%	11	AlmaLinux-10.0	Weekly	No
Hyper-V	ICASA-CA-01	ICASA-HYPERV3	200	18%	37	Windows Server 2025 Standard	Weekly	No
Hyper-V	ICASA-INMGIC-01	ICASA-HYPERV3	200	81%	162	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASA-INMGIC-02	ICASA-HYPERV3	200	19%	37	Windows Server 2016 Standard	Daily	No
Hyper-V	ICASA-OM-2025	ICASA-HYPERV3	400	12%	48	Windows Server 2025 Standard	Daily	No
Hyper-V	ICASA-PRD-AGS01	ICASA-HYPERV1	627	11%	67	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASA-PRD-AGS02	ICASA-HYPERV1	627	22%	141	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASA-PRD-DB01	ICASA-HYPERV1	628	29%	180	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASA-PRD-WEB01	ICASA-HYPERV1	627	44%	278	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASA-RGLSD01	ICASA-DMZ-HYV01	179	81%	145	Ubuntu 20.04.6 LTS	Daily	Yes
Hyper-V	ICASA-SC-DB-01	ICASA-HYPERV3	401	7%	30	Windows Server 2025 Standard	Daily	No
Hyper-V	ICASA-SDK-01	ICASA-HYPERV3	350	20%	71	Windows Server 2025 Standard	Daily	No
Hyper-V	ICASASTNADFS01	ICASA-HYPERV1	151	44%	67	Windows Server 2022 Standard	Weekly	Yes

Hyper-V	ICASASTNCRMDV04_1	ICASA-HYPERV1	851	99%	840	Windows Server 2016 Standard	Weekly	No
Hyper-V	ICASASTNCRMPD02	ICASA-HYPERV3	600	42%	254	Windows Server 2016 Standard	Daily	Yes
Hyper-V	ICASASTNEWEB01	ICASA-DMZ-HYV01	200	43%	85	Ubuntu 16.04.6 LTS	Daily	Yes
Hyper-V	ICASASTNFSRV01	ICASA-HYPERV2	16575	87%	14435	Windows Server 2019 Standard	Daily	Yes
Hyper-V	ICASASTNPS01	ICASA-HYPERV1	100	99%	99	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASASTNPTS01	ICASA-HYPERV1	800	27%	220	Windows Server 2016 Standard	Daily	No
Hyper-V	ICASASTNPTSDV01	ICASA-HYPERV1	700	8%	59	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASASTNRPL01	ICASA-HYPERV1	5948	68%	4031	Windows Server 2022 Standard	Daily	No
Hyper-V	ICASASTNSPPRD01	ICASA-HYPERV1	396	77%	305	Windows Server 2012 Standard	Daily	No
Hyper-V	ICASASTNSQL03	ICASA-HYPERV3	1224	37%	448	Windows Server 2016 Standard	Daily	No
Hyper-V	ICASASTNSQL04	ICASA-HYPERV1	200	24%	47	Windows Server 2016 Standard	Daily	No
Hyper-V	ICASASTNVIP01	ICASA-HYPERV3	5198	50%	2599	Windows Server 2019 Standard	Daily	Yes
Hyper-V	JDEWDEP01	ICASA-HYPERV3	650	61%	399	Windows Server 2022 Standard	Weekly	No
Hyper-V	JDEWENTDV1	ICASA-HYPERV1	300	29%	86	Windows Server 2022 Standard	Weekly	No
Hyper-V	JDEWENTPD1	ICASA-HYPERV3	250	80%	201	Windows Server 2022 Standard	Daily	Yes
Hyper-V	JDEWFATCL01	ICASA-HYPERV1	200	56%	112	Windows 11	Daily	No
Hyper-V	JDEWORCDB1	ICASA-HYPERV2	850	12%	104	Windows Server 2022 Standard	Daily	No
Hyper-V	JDEWORCPD1	ICASA-HYPERV2	1100	85%	934	Windows Server 2022 Standard	Daily	Yes
Hyper-V	JDEWWEBDV1	ICASA-HYPERV1	300	21%	62	Windows Server 2022 Standard	Weekly	No
Hyper-V	JDEWWEBPD1	ICASA-HYPERV2	200	27%	55	Windows Server 2022 Standard	Daily	Yes
Hyper-V Total			46408	58%	27059			
Physical	ICASA-DC-02	ICASA-DC-02	894	103%	925	Windows Server 2022 Standard	Daily	Yes
Physical	ICASAEXTWEB01	ICASAEXTWEB01	68	33%	22	Windows Server 2016 Standard	Daily	Yes
Physical	ICASASTNDC01	ICASASTNDC01	894	100%	893	Windows Server 2022 Standard	Daily	Yes
Physical Total			1856	99%	1840			
Azure								
Azure	ICASAWEBPD-WB	ICASAWEBPD-WB	200	0	0	Windows Server 2025 Standard	Daily	Yes
Azure	ICASAWEBPD-DB	ICASAWEBPD-DB	300	0	0	Windows Server 2025 Standard	Daily	Yes
Azure	ICASACLPD	ICASACLPD	200	0	0	Windows Server 2025 Standard	Daily	Yes

Azure Total			700	0	0			
VM Ware	arp0	icasa.nemo.fi	2050	100%	2050	Linux Debian 10	Daily	Yes
VM Ware	ICASA-AD-MGR-01	icasastnesx01	250	Unknown	338	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-ASMDV-WB	icasastnesx04	640	Unknown	390	Windows Server 2022 Standard	Weekly	No
VM Ware	ICASA-ASMPD-DB	icasastnesx01	4860	Unknown	4860	Windows Server 2019 Standard	Daily	Yes
VM Ware	ICASA-ASMPD-WB	icasastnesx04	300	Unknown	143	Windows Server 2019 Standard	Daily	Yes
VM Ware	ICASA-ASMQA-DB	icasastnesx01	632	Unknown	409	Windows Server 2019 Standard	2 X Week	No
VM Ware	ICASA-ASMQA-WB	icasastnesx02	200	Unknown	146	Windows Server 2019 Standard	2 X Week	No
VM Ware	ICASA-CM-01	icasastnesx04	3880	Unknown	3170	Windows Server 2022 Standard	Weekly	No
VM Ware	ICASA-CRMPD-01	icasastnesx04	724	Unknown	586	Windows Server 2016 Standard	Daily	Yes
VM Ware	ICASA-CRMPD-02	icasastnesx04	6230	Unknown	6130	Windows Server 2016 Standard	Daily	Yes
VM Ware	ICASA-CRMQA-02	icasastnesx04	158	Unknown	158	Windows Server 2016 Standard	Weekly	No
VM Ware	ICASA-CRMQA-03	icasastnesx04	2160	Unknown	2160	Windows Server 2016 Standard	Weekly	No
VM Ware	ICASA-DC-03	icasastnesx04	116	Unknown	116	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-EDRMS-001	icasastnesx02	2230	Unknown	2200	Windows Server 2019 Standard	Weekly	No
VM Ware	ICASA-EDRMS-002	icasastnesx01	2230	Unknown	2200	Windows Server 2019 Standard	Weekly	No
VM Ware	ICASA-EDRMS-01	icasastnesx02	1590	Unknown	1590	Windows Server 2025 Standard	Weekly	No
VM Ware	ICASA-EDRMS-02	icasastnesx01	2380	Unknown	2330	Windows Server 2025 Standard	Weekly	No
VM Ware	ICASA-FS-01	icasastnesx01	2650	Unknown	2650	Windows Server 2025 Standard	Daily	Yes
VM Ware	ICASA-JUMP-01	icasastnesx02	316	Unknown	316	Windows Server 2022 Standard	Weekly	No
VM Ware	ICASA-OM-01	icasastnesx02	632	Unknown	173	Windows Server 2019 Standard	Daily	No
VM Ware	ICASA-PBI-02	icasastnesx02	464	Unknown	315	Windows Server 2019 Standard	Daily	No
VM Ware	ICASA-PBISTG-01	icasastnesx04	362	Unknown	346	Windows Server 2019 Standard	Daily	No
VM Ware	ICASA-QAAD	icasastnesx01	71	Unknown	51	Microsoft Windows Server 2012	Weekly	No
VM Ware	ICASA-SEC-01	icasastnesx04	395	Unknown	233	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-SIEM-01	icasastnesx01	689	Unknown	163	Windows Server 2022 Standard	Weekly	Yes
VM Ware	ICASA-STG-AGS01	icasastnesx02	212	Unknown	96	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-STG-AGS02	icasastnesx01	196	Unknown	196	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-STG-DB	icasastnesx04	366	Unknown	366	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-STG-WEB1	icasastnesx02	366	Unknown	366	Windows Server 2022 Standard	Daily	No
VM Ware	ICASASTNAPP02	icasastnesx01	618	Unknown	339	Windows Server 2022 Standard	Daily	Yes

VM Ware	ICASASTNLS01	icasastnesx01	462	Unknown	444	Windows Server 2008 R2	Once off	No
VM Ware	ICASASTNTM01	icasastnesx02	324	Unknown	213	Windows Server 2022 Standard	Daily	No
VM Ware	ICASA-VMM-01	icasastnesx04	366	Unknown	366	Windows Server 2022 Standard	Weekly	No
VM Ware	idb0	icasa.nemo.fi	84	99%	83	Linux Debian 10	Daily	Yes
VM Ware	pdbo	icasa.nemo.fi	115	99%	114	Linux Debian 10	Daily	Yes
VM Ware Total			39319	Unknown	Unknown			
Host	ICASA-DC-02	1	44			Windows Server 2022 Standard		
Host	ICASASTNDC01	1	59			Windows Server 2022 Standard		
Host Total			2109	Unknown	Unknown			
Grand Total			90392	Unknown	Unknown			