# TECHNICAL SPECIFICATIONS / Specificaţii tehnice

Anexa nr.1 la Caietul de sarcini

**Procedura de achiziţie nr:** ocds-b3wdp1-MD-1713357243421 from 02.05.2024
**CUSTOMER NAME:** BANCA NAŢIONALĂ A MOLDOVEI
**TENDER NAME:** Servicii de procesare şi stocare date în cloud Microsoft Azure
**LOT:** Servicii de procesare şi stocare date în cloud Microsoft Azure
**DATE:** 02.05.2024

| Denumirea serviciilor / Name of the services | Denumirea modelului serviciului / Name of the model-service | Country of origin | Producătorul / Manufacturer | Specificarea tehnică deplină solicitată de către autoritatea contractantă / Full technical specification required by the contracting authority | Specificarea tehnică deplină propusă de către ofertant / Technical complete specification offered | Standarde de referinţă / Standard reference |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| **Lot: Servicii de procesare şi stocare date în Cloud Microsoft Azure (REPETAT)** | | | | | | |
| Servicii de alocare a resurselor de procesare Maşini virtuale tip 1 | Compute,Virtual Machines | Ireland | Microsoft | **Tipul:** Virtual Machines (OS Only)<br>**Regiunea:** Germany West Central<br>**Tier:** Standard<br>**Categoria:** General purpose<br>**Instance:** **10 A8 v2**<br>**CPU, RAM:** 8 Cores, 16 GB RAM<br>**Billing calc&rhythm:** 1 Month (Pay as you go)<br>**OS:** Windows (License included), OS Only<br>**Disk:** 1 managed disk – S15<br>**Transactions:** 10 transaction units<br>**Internet type:** Internet egress<br>**Traffic included:** 10 GB outbound<br>**Data transfer type:** data transfer from Germany West Central routed via Public Internet<br>**Support:** Included | Virtual Machines (OS Only)<br>Germany West Central<br>Standard<br>General purpose<br>**10 A8 v2**<br>8 Cores, 16 GB RAM<br>1 Month (Pay as you go)<br>Windows (License included), OS Only<br>1 managed disk – S15<br>10 transaction units<br>Internet egress<br>10 GB outbound<br>data transfer from Germany West Central routed via Public Internet<br>Included | ISO |
| Servicii de alocare a resurselor de procesare Maşini virtuale tip 2 | Compute, Virtual machines | Ireland | Microsoft | **Tipul:** Virtual Machines (OS Only)<br>**Regiunea:** Germany West Central<br>**Tier:** Standard<br>**Categoria:** General purpose<br>**Instance:** **10 A2m v2**<br>**CPU, RAM:** 2 Cores, 16 GB RAM<br>**Billing calc&rhythm:** 1 Month (Pay as you go)<br>**OS:** Linux, On Demand (Pay as you go)<br>**Disk:** 1 managed disk – E15<br>**Transactions:** 10 transaction units<br>**Internet type:** Internet egress<br>**Traffic included:** 10 GB outbound<br>**Data transfer type:** data transfer from Germany West Central routed via Public Internet<br>**Support:** Included | Virtual Machines (OS Only)<br>Germany West Central<br>Standard<br>General purpose<br>**10 A2m v2**<br>2 Cores, 16 GB RAM<br>1 Month (Pay as you go)<br>Linux, On Demand (Pay as you go)<br>1 managed disk – E15<br>10 transaction units<br>Internet egress<br>10 GB outbound<br>data transfer from Germany West Central routed via Public Internet<br>Included | ISO |

| Denumirea serviciilor / Name of the services | Denumirea modelului serviciului / Name of the model-service | Country of origin | Producătorul / Manufacturer | Specificarea tehnică deplină solicitată de către autoritatea contractantă / Full technical specification required by the contracting authority | Specificarea tehnică deplină propusă de către ofertant / Technical complete specification offered | Standarde de referinţă / Standard reference |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Servicii de alocare a resurselor de procesare Maşini virtuale tip 3 | Compute, Virtual machines | Ireland | Microsoft | **Tipul:** Virtual Machines (OS Only)<br>**Regiunea:** Germany West Central<br>**Tier:** Standard<br>**Categoria:** General purpose<br>**Instance:** **10 B8ms**<br>**CPU, RAM:** 8 Cores, 32 GB RAM<br>**Billing calc&rhythm:** 1 Month (Pay as you go)<br>**OS:** Windows (License included), OS Only<br>**Disk:** 1 managed disk – S15<br>**Transactions:** 10 transaction units<br>**Internet type:** Internet egress<br>**Traffic included:** 10 GB outbound<br>**Data transfer type:** data transfer from Germany West Central routed via Public Internet<br>**Support:** Included | Virtual Machines (OS Only)<br>Germany West Central<br>Standard<br>General purpose<br>**10 B8ms**<br>8 Cores, 32 GB RAM<br>1 Month (Pay as you go)<br>Windows (License included), OS Only<br>1 managed disk – S15<br>10 transaction units<br>Internet egress<br>10 GB outbound<br>data transfer from Germany West Central routed via Public Internet<br>Included | ISO |
| Servicii stocare date | Storage accounts | Ireland | Microsoft | **Categoria:** Storage<br>**Tipul:** Storage Accounts<br>**Regiunea:** Germany West Central<br>**Billing type:** Pay as you go Plan<br>**Storage type:** Block Blob Storage<br>**Purpose:** General Purpose V2<br>**Namespace:** Flat Namespace<br>**Redundancy:** LRS Redundancy<br>**Access type:** Hot Access Tier<br>**Storage capacity:** 600 TB Capacity<br>**Write:** 10 x 10,000 Write operations<br>**Container:** 10 x 10,000 List and Create Container Operations<br>**Read:** 10 x 10,000 Read operations<br>**Other:** 1 x 10,000 Other operations<br>**Data Retrieval:** 1,000 GB Data Retrieval<br>**Data Write:** 1,000 GB Data Write | Storage<br>Storage Accounts<br>Germany West Central<br>Pay as you go Plan<br>Block Blob Storage<br>General Purpose V2<br>Flat Namespace<br>LRS Redundancy<br>Hot Access Tier<br>600 TB Capacity<br>10 x 10,000 Write operations<br>10 x 10,000 List and Create Container Operations<br>10 x 10,000 Read operations<br>1 x 10,000 Other operations<br>1,000 GB Data Retrieval<br>1,000 GB Data Write | ISO |
| Servicii de reţea Firewall | Networking | Ireland | Microsoft | **Categoria:** Networking<br>**Tipul:** Azure Firewall<br>**Regiunea:** Germany West Central<br>**Tier:** Standard<br>**Units:** 1 Logical firewall units x 1 Month<br>**Billing type:** Pay as you go Plan<br>**Data Amount:** 100 GB of Data processed | Networking<br>Azure Firewall<br>Germany West Central<br>Standard<br>1 Logical firewall units x 1 Month<br>Pay as you go Plan<br>100 GB of Data processed | ISO |
| Servicii de reţea IP Adrese | Networking | Ireland | Microsoft | **Categoria:** Networking<br>**Tipul:** IP Addresses<br>**Regiunea:** Germany West Central<br>**Billing type:** Pay as you go Plan<br>**Service type:** Basic (Classic)<br>**Dynamic:** 0x Dynamic IP Addresses X 1 Month<br>**Static:** 254x Static IP Addresses X 1 Month | Networking<br>IP Addresses<br>Germany West Central<br>Pay as you go Plan<br>Basic (Classic)<br>0x Dynamic IP Addresses X 1 Month<br>254x Static IP Addresses X 1 Month | ISO |
| Servicii de reţea NAT Gateway | Networking | Ireland | Microsoft | **Categoria:** Networking<br>**Tipul:** NAT Gateway<br>**Regiunea:** Germany West Central<br>**Tier:** Standard<br>**Unit/s:** NAT Gateway created with 1 Month<br>**Billing type:** Pay as you go Plan<br>**Data Amount:** 100GB of Data processed | Networking<br>NAT Gateway<br>Germany West Central<br>Standard<br>NAT Gateway created with 1 Month<br>Pay as you go Plan<br>100GB of Data processed | ISO |

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| Servicii AI + machine learning | AI | Ireland | Microsoft | Categoria: | OpenAI Service | OpenAI Service | ISO |
|---|---|---|---|---|---|---|---|
| | | | | Tipul: | AI + machine learning | AI + machine learning | |
| | | | | Regiunea: | East US | East US | |
| | | | | Billing type: | Pay as you go Plan | Pay as you go Plan | |
| | | | | Language Models: | GPT-4-8K | GPT-4-8K | |
| | | | | input tokens: | 100000 x 1,000 | 100000 x 1,000 | |
| | | | | output tokens: | 100000 x 1,000 | 100000 x 1,000 | |

Semnat de / Signed by: _____
Numele, Prenumele / full name: Serghei Smigaliov
În calitate de / in the position of: Director
data / date: 02.05.2024