

# scopeArchiv 5.4 / scopeOAIS 5.4

## Minimal Requirements (Hardware & Software)

### Database

Hardware and software recommendations for a productive environment:

Hardware/Software	Small/medium archive 250'000 UoDs	Larger archives 3'000'000 UoDs
<i>Operating System</i>	Windows Server 2022	Windows Server 2022
<i>Processor (AMD64 or Intel EM64T) (max. 16 Cores, 2 Sockets) (min. 3.3 GHz) for Oracle SE valid only for dedicated Hardware</i>	4 Cores for Oracle System + 2 Cores for OS = 6 Cores	8 Cores for Oracle System + 2 Cores for OS = 10 Cores
<i>RAM</i>	48 GB	128 GB
<i>Database management system (DBMS)</i>	Oracle Database 19c Standard Edition  <b>Required setup:</b> <i>Database Character Set</i> AL32UTF8, <i>Optimizer_Dynamic_Sampling=0</i> <i>Oracle Text, XDB - select * from</i> <i>dba_registry where comp_id in</i> <i>('XDB','CONTEXT');</i>	

Shares size recommendations for a Windows productive environment:

Shares	Small/medium archive 250'000 UoDs	Larger archives 3'000'000 UoDs	Comment
<i>C:\ MS Operating System</i>	100 GB (local Storage)	100 GB (local Storage)	
<i>D:\ Oracle Installation (Binaries)</i>	50 GB (local Storage)	50 GB (local Storage)	
<i>E:\ Data (LOB, IDX und DATA)</i>	200 GB (external Storage)	500 GB (external Storage)	Approx. 0.25 to 0.6 GB per 1000 UoDs
<i>F:\ DIAG (Alertlog, Trace and Coredumps, Auditing)</i>	50 GB (external Storage)	50 GB (external Storage)	
<i>G:\ Logs (Redologs)</i>	40 GB (external Storage)	40 GB (external Storage)	
<i>H:\ Archive (Backup, FRA)</i>	200 GB (possibly a NAS)	500 GB (possibly a NAS)	Approx. 0.25 to 0.6 GB per 1000 UoDs

### scopeArchiv & other desktop-products (32bit)

Hardware:

- Processor Intel or AMD processor of the latest generation
- Memory at least 16 GB RAM recommended
- Disk space: scopeArchiv 300 MB, all client-products 500 MB
- Network share for linked files (if needed)

Operating System:

- Microsoft Windows 10 or Microsoft Windows 11
- MS Microsoft Server Standard Edition (with Client Access Licences) 2019, 2022

Additional Software:

- Microsoft .NET Framework 4.7.1
- Oracle 19c, 21c Full Client (32bit) according to database version

- Microsoft Visual C++ 2015 Redistributable X86 14.0.23026.0 (32bit)
- Crystal Reports Runtime 13.0.22 (32bit)

*Optional Additional Software:*

- Crystal Reports Professional Version 13.0.22 for creation of customer specific reports
- Microsoft Office 365 offline version (when using scopeOfficeWord-PlugIn and/or scopeOfficeExcel-PlugIn)

## scopeQuery / scopeRC / scopeGO!

*Hardware:*

- 4 Cores
- Memory, at least 32 GB RAM
- Disk space:
  - Operating System approx. 100 GB
  - scope Software and logs approx. 500 GB

*Operating System:*

- MS Microsoft Server Standard Edition 2019, 2022

*Additional Software:*

- Microsoft Internet Information Server IIS 10 (with certificates for https)
- Microsoft .NET Framework 4.7.1
- Oracle 19c, 21c Full Client (32bit) according to database version (scopeQuery only)
- scopeAuth-Service with certificates (scopeOrderManager-Service only)

*Supported browsers*

- scopeQuery / scopeRC: Microsoft Edge, Mozilla Firefox, Chrome (latest versions)
- scopeGO!:
  - Desktop: Chrome (latest version)

## scopeOAIS (Ingest)

*Hardware:*

- 8 Cores
- Memory, at least 48 GB RAM
- Disk space:
  - Operating System approx. 200 GB
  - scope Software and logs approx. 1 TB
  - Shortterm for temporary files min. 5 TB (customer specific)
  - Longterm for Fedora AIPs min. 5 TB (customer specific)

*Operating System:*

- MS Microsoft Server Standard Edition 2019, 2022

*Additional Software:*

- Microsoft .NET Framework 4.7.1
- Oracle 21c Full Client (32bit/64bit) according to database version

*Optional Additional Software:*

- Microsoft Office 365 offline version (for Office converters)

## scopeOrderManager

### Hardware:

- scopeOrderManager-Service (if running on a separate server, otherwise not needed)
  - 2 Cores
  - Memory 8GB RAM
  - Disk space: Operating System & scope Software approx. 100 GB

### Operating System:

- MS Microsoft Server Standard Edition 2019, 2022

## scopeAuth

### Hardware:

- scopeAuth-Service (if running on a separate server, otherwise not needed)
  - 2 Cores
  - Memory 8GB RAM
  - Disk space: Operating System & scope Software approx. 100 GB

### Operating System:

- MS Microsoft Server Standard Edition 2019, 2022

### Additional Software:

- Certificate

## scopePackager

### Hardware:

- scopePackageExplorer-Service (for intranet use)
  - 2 Cores
  - Memory 32 GB RAM
- scopePackageViewer-Service (for external access over the internet)
  - 2 Cores
  - Memory 32 GB RAM
- DIP-Storage (1 instance intern and 1 instance extern)
  - Disk space must be defined with the customer (scopePackageExplorer needs up to 3 times the disk-space of an AIP in case of full-text indexation for each internal and external storage and the AIP-previews are stored for 14 days as default)

### Operating System:

- MS Microsoft Server Standard Edition 2019, 2022

### Supported browsers

- Desktop: Microsoft Edge, Mozilla Firefox, Chrome (latest versions)
- Mobile device: Chrome, Microsoft Edge
- Screen resolution: 1920x1080 (desktop), 768 x 1024 (tablets)

### Additional Software:

- Microsoft Internet Information Server IIS 10 (with certificates for https)
- scopeAuth-Service
- Certificate

## scopeConverter

### *Hardware:*

- Memory, at least 32 GB RAM
- Disk space must be defined with the customer

### *Operating System:*

- Linux (reference installation on Ubuntu 14.04.2 LTS)

### *Additional Software:*

- Java 8 VM (Oracle JDK, OpenJDK)
- Wildfly 10.1.0
- MySQL Server 5.7.43