Ontrack PowerControls for SQL ReadMe

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About the Free Trial

After installation, Ontrack PowerControls operates as a Free Trial by default until a license file is applied. The Free Trial of Ontrack PowerControls is limited in functionality and time-limited to 30 days of use.

With the Free Trial, you can:

- Open sources
- Open targets

If you would like to have full functionality, or learn more about the purchasing options and product information for Ontrack PowerControls, visit our website at http://www.ontrack.com.

Supported Environments

Component	Requirement
Operating Systems	The following operating systems are supported: ■ Windows Server 2008 R2 ■ Windows Server 2012 ■ Windows Server 2012 R2 ■ Windows Server 2016 ■ Windows Server 2019 ■ Windows Server 2022 ■ Windows 7 ■ Windows 8 ■ Windows 10 ■ Windows 11 *Note:* 64-bit versions, virtual and physical, of the listed operating systems are required. Ontrack PowerControls can only be run by users with administrative privileges and in administrative mode.

Component	Requirement

Microsoft SQL Server	**Source File Formats:**
	
	■ Native SQL backup
	  • Full, Differential, and Transaction Log backups
	  • Compressed and uncompressed
	  • Encrypted (Transparent Data Encryption)
	■ Offline SQL database files (.MDF/.NDF/.LDF)
	  • Encrypted (Transparent Data Encryption)
	
	Source Data:
	
	■ SQL 2005
	■ SQL 2008
	■ SQL 2008 R2
	■ SQL 2012
	■ SQL 2014
	■ SQL 2016
	■ SQL 2017
	■ SQL 2019
	■ SQL 2022
	
	Target Servers:
	
	■ SQL 2005
	■ SQL 2008
	■ SQL 2008 R2
	■ SQL 2012
	■ SQL 2014
	■ SQL 2016
	■ SQL 2017
	■ SQL 2019
	■ SQL 2022

Component	Requirement
Microsoft Azure	Source Data: ■ Local backups of Microsoft Azure ■ Downloaded copies of database files ■ Downloaded copies of backup files Target Servers: ■ SQL Server data files in Microsoft Azure ■ SQL Server virtual machines in Microsoft Azure ■ SQL database in Microsoft Azure
Virtual Environments	*Note: Virtual operation of tape devices may have restrictions imposed by virtual operating systems.*
Additional Software	Microsoft .NET Framework: ■ 4.5

Additional Notes

The following are supported in Ontrack PowerControls:

- Table level restoring of data
- Snapshots (if presented as a drive letter or volume of files)
- Column (data) types (up to 2 GB):
  - BigInt, Int, SmallInt, TinyInt, Bit
  - Binary, VarBinary
  - Char, VarChar, NChar, NVarChar
  - Computed Columns

    Note: Computed Columns appear in the Source List as <COMPUTED>. Computed Columns referencing an object that does not exist in the target database cannot be copied.

  - DateTime, SmallDateTime, Date, DateTime2, DateTimeOffset
  - Float, Real
  - Image, VarBinary(max)
  - Money, SmallMoney
  - Numeric, Decimal
  - Sql_variant

    Note: If a sql_variant column is copied and:

    - The sql_variant is a Money or SmallMoney type, it is converted to a decimal on

the target.

- The value is a string type, the collation is not preserved.

- Sparse columns without COLUMN_SET
- Text, NText, VarChar(max), NVarChar(max)
- Uniqueidentifier
- XML

Ontrack PowerControls Licensing

All Ontrack PowerControls editions require a license file. Ontrack PowerControls software is licensed based on the enabled agents and license duration.

To view the currently applied license

- On the **Help** menu, click **About** and then click **License Info**.

To obtain a new or updated license

- Visit http://www.ontrack.com.

To apply a new or updated license

- Do one of the following:
  - On the **Help** menu, click **About** and then click **License Info**. On the License dialog box, enter the **License** or click **Browse** and navigate to the license you want to apply.
  - Replace the existing .ini file with the new .ini file. The default location for this file is in the Ontrack PowerControls installation folder.

Limitations

The following are not supported in Ontrack PowerControls:

- SQL Server 2019 and later backup taken during activities on the database
- Applying transactional logs when table level compression is enabled
- Backup data encryption
- SQL Server database objects other than tables, rows, and columns (such as system tables, stored procedures, triggers, primary and foreign keys, and CLR) are not supported and do not appear in the Ontrack PowerControls interface.
- Opening transaction log backups created directly after Transparent Data Encryption was enabled without creating full or differential backup first
- Opening transaction logs backups created directly after Transparent Data Encryption key change
- Multiple databases in a single backup (currently, only the first database is supported).
- Limited support column (data) types:

Note: These column types appear in the Source List as either <UNSUPPORTED> or binary and are copied as binary.

Note: These column types will not be exported to CSV file; their names will be included in the header, but values will be replaced with <UNSUPPORTED> mark.

- CLR UDT (User Defined Type)
- Cursor
- Time
- Geography, Geometry
- HierarchyId
- TimeStamp/RowVersion
- Unsupported column (data) types:
  - COLUMN_SET column

    Note: While sparse columns defined by COLUMN_SET column appear in the Source List, tables containing this column cannot be copied.

  - Filestream

    Note: Tables containing Filestream columns cannot be accessed.

- Unsupported backup types:
  - Files and filegroup

  Note: Memory-Optimized tables cannot be accessed.

- Columnstore indexes
  Note: Tables with a columnstore index cannot be accessed.

- Date column type is exporting as DateTime column type in Export to CSV feature.
- Computed Columns will not be exported to CSV file; their names will be included in the header, but values will be replaced with <COMPUTED> mark.
- Transparent Data Encryption functionality fails to process log file (only MDF file can be opened) for:
  - TDE was disabled or database was re-encrypted (e.g using different key)
  - SQl Server 2008 data

Restoring Data

- Referential integrity, indexes, and permissions are not restored.
- When restoring tables with TimeStamp columns, the TimeStamp column is not preserved. The value is the time of the restoration for that row. This is the normal behavior for TimeStamp columns.
- Restoring tables with identity columns does not preserve the value of the identity column; it follows the rules of the identity column on the target table.

EXAMPLE: If the source table has three rows with identity values of *1*, *3*, *5*, once restored, the target will have values of *1*, *2*, *3*. (This is the normal behavior of identity columns.)

Technical Support

If you have issues not addressed in the user guide or the online Help, contact our Technical Support group (1-952-937-2121). When reporting an issue, please include any information that might help us diagnose the problem and have the following:

- The version of Ontrack PowerControls you are using (on the Help menu, click About)
- The versions of Windows operating systems that you are running
- The version of SQL Server that contained the source database file
- The circumstances and sequence of steps that led to the problem
- The text of the error messages (if any appeared)
- A list of other Windows-based programs that you were running when the error occurred

About KLDiscovery Ontrack, LLC

KLDiscovery Ontrack provides technology-driven services and software to help legal, corporate and government entities as well as consumers manage, recover, search, analyze, and produce data efficiently and cost-effectively. In addition to its award-winning suite of software, KLDiscovery Ontrack provides data recovery, data destruction, electronic discovery and document review.

For additional information about KLDiscovery Ontrack, its products and services, or the location of an office near you, call our corporate headquarters or visit our website.

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