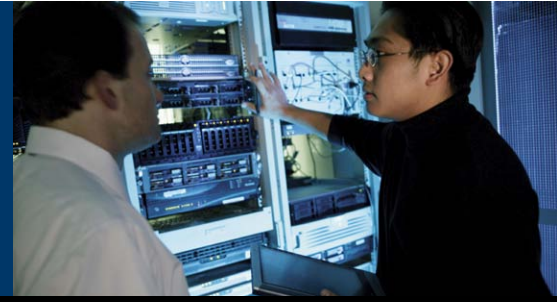


# Advantage Database Server® 11



## PRODUCT FACT SHEET

### ADVANTAGE DATABASE DEVELOPER VERSION

The Advantage Database Server developer version is a 2-user version offered at no charge for development and testing. It includes all of the features of the full deployment version of Advantage and will not expire at any time. Download your copy at:

<http://response.sybase.com/forms/ADS11-2-User>

New features or significant enhancements with version 11 are listed in orange.

### ADVANTAGE DATABASE SERVER

#### Server Supported Platforms

- Windows x86 and x64
- Linux x86 and x64
- Netware (v10.1 or older)

#### Editions

- Advantage Local Server — 32 or 64-bit File/Server Free Relational Database Management System
- Advantage Database Server 32-bit — 32-bit Client/Server Relational Database Management System
- Advantage Database Server 64-bit — 64-bit Client/Server Relational Database Management System
- Advantage Internet Connector (AIC) — Embedded into ADS, a Non-HTML solution to access data through the Internet

#### System Requirements and Size

- Database server requires a minimum of 512 MB RAM
- Database client requires a minimum of 8 MB RAM

#### Native Clients

- Advantage Delphi Components 32/64-bit
- Advantage Web Platform (client-less access, OData)
- Advantage Python/Django Interface
- Advantage Ruby Interface

- Advantage PDO Interface
- Advantage .NET Data Provider 32/64-bit
- Advantage CA-Visual Objects
- Advantage JDBC Driver 32/64-bit
- Advantage ODBC Driver 32/64-bit
- Advantage OLE DB Driver 32/64-bit
- Advantage Perl DBI Driver 32/64-bit
- Advantage PHP Extension 32/64-bit
- Advantage Client Engine API 32/64-bit
- Advantage Crystal Reports Driver
- Advantage CA-Clipper RDDs

#### Client/Server Communications Protocols

- TCP/IP
- IPX

#### File Types

- ADT — Advantage proprietary format consists of ADT tables, ADI index files, and ADM memo files
- DBF/CDX — dbase CA-Clipper-compatible file format consists of DBF tables, NTX index files, and DBT memo files
- DBF/NTX&IDX — Xbase FoxPro-compatible file format consists of DBF tables, CDX and IDX index files, and FPT memo files

#### Database and Table Statistics

##### dBASE file formats

- Database Size — limited only by disk space
- Maximum Index Size — 4GB
- Maximum records per table — 2 billion
- Maximum record length — 65530 bytes
- Maximum field name length — 10 characters for traditional dbase DBFs, 128 characters for VFP tables associated with a data dictionary
- Maximum file size — 4GB

##### ADT file formats

- Database Size — limited only by disk space
- Maximum records per table — 2 billion
- Maximum Index Size — 4GB
- Maximum record length — 65530 bytes
- Maximum field name length — 128 characters
- File size — >4GB

- Additional Field Data Types — Auto Increment, Time Stamp (DateTime), Money (Currency), VarChar, and VarBinary
- Supports NULL

#### Compliance

- Entry-level SQL ANSI 92 + extensions
- With minor exceptions is compliant with SQL -2003 core specifications
- FIPS 140-2 conformance
- CCHIT conformance

#### Database Features

- Navigational(ISAM) Data Access — Supports two ISAM file formats: dbase DBF and a Proprietary table format (ADT)
- SQL Data Access — most of SQL-92 standard with ODBC extensions, subset of SQL-2003 features such as PSM and many additional features such as Views, Query Execution Plan, Query Logging, User Defined Function, and Temporary Tables.
- SQL Scripting — subset of the ANSI SQL 2003 PSM (Persistent Stored Module) scripting language
- Data Dictionary — ADT and DBF tables
- Xbase Expression Engine
- Transactional Processing System
- Stored Procedures
- Events / Notifications
- Triggers
- User Defined Functions (UDF)
- Full Text Search (FTS)
- JSON and XML support — through Web Platform OData Service
- Views
- Unicode — UTF-16LE
- Replication — Asynchronous N-way push replication for ADT and DBF tables
- Advantage Extended Procedures (AEP)
- Referential Integrity
- Server and Client Side Aliases
- Callback
- Table Data Caching
- Communication Compression
- Online Backup

- Security
  - Row-level locking
  - User Authorization
  - User and Group Permissions
  - User groups (roles)
- Online Management
  - Online Table Pack
  - Online Table Re-Index
  - Online Table Alter (Add, Delete field)
- Web Service — OData compliant Apache module through Web Platform option
- Encryption — Available with both free tables and data dictionary bound tables
  - FIPS 140-2 Compliant
  - Table and Index
    - Advanced Encryption Standard AES 128-bit and 256-bit
    - RC4 — 128-bit, 160-bit
  - Communication
    - Transport Layer Security (TLS)
    - RC4 — 128-bit, 160-bit, (TCP/IP and UDP)

#### Development Tools

- Advantage Data Architect — developing and maintaining Advantage applications
- Advantage Web Administrator — Browser-based Advantage management
- SQL Command Line Utility

#### SUPPORT

Our dedicated experienced Technical Services Department offers enterprise level support and pre-sales service through phone, email, or newsgroups as well as consultancy and training services. Advantage partner program members receive free unlimited technical support when annual purchase volumes are met.

#### PARTNER PROGRAM

Our highly successful Advantage Partner Program offers members:

- Free Development Licenses
- Free training
- Free unlimited technical support when annual purchase volumes are met
- Access to marketing programs
- Discounted pricing

#### ADVANTAGE DEVELOPER NETWORK

The Advantage Developer Zone provides a variety of Web-based resources for developers who are interested in or already working with Advantage products. It also gives developers access to a community of peers who can provide assistance and advice on projects.

Advantage DevZone resources include:

- Software and code sample downloads
  - Newsgroups and blogs
  - Product documentation
  - Support options and resources
  - Training and educational opportunities
- [devzone.advantagedatabase.com](http://devzone.advantagedatabase.com)

#### WHO IS SYBASE AN SAP COMPANY?

Sybase, an SAP® company, is an industry leader in delivering enterprise and mobile software to manage, analyze and maximize information. We are recognized globally as a performance leader, proven in the most data intensive industries and across all major systems, networks and devices. Our information management, analytics and enterprise mobility solutions power the world's most mission-critical systems in financial services, telecommunications, manufacturing and government. With Sybase, enterprises can manage the high volumes and variety of data, analyze this vital information and mobilize it so people can conduct business, regardless of where they are located or what devices they are using.

Since all Sybase solutions are built using open standards, organizations can leverage the IT investments they depend on today, along with the ones they'll need tomorrow.

For more information: [www.sybase.com/ads](http://www.sybase.com/ads)

Follow us on Twitter at [@AdvantageDB](https://twitter.com/AdvantageDB).

#### CONTACT US:

##### North America

Advantageinfo@Sybase.com  
1 800 235 7576

##### Germany

ADS-team@Sybase.com  
+49 (0) 7032 / 798 - 200

##### United Kingdom

ADS-team@Sybase.com  
+44 (0) 117 315 3957