

# ENABLE ROBUST CASSANDRA CONNECTIVITY THROUGH ODBC AND JDBC



## Get Easy Compatibility with Cassandra and your Existing Applications—with No Impact on Performance

Leading organizations are turning to Cassandra to meet the performance, scalability and availability that today's Internetscale solutions demand.

By exposing its data as normalized relational tables, Progress® DataDirect® allows you to use an industry-standard, SQL-based solution with ODBC and JDBC connectivity to easily integrate Cassandra with your existing applications—without impacting performance.

Cassandra is a NoSQL data store architected for real-time enterprise databases that require vast scalability, high-velocity performance, flexible schema design and continuous availability. However, you can face integration challenges with your existing IT ecosystem, which demands true standards-based connectivity— including BI, data warehouses, ETL processes and others.

## Progress DataDirect for Cassandra Overview

Progress DataDirect for Cassandra provides unique and robust relational connectivity to Cassandra that enables natural compatibility to your existing SQL-based applications. Leveraging industry-accepted SQL-based ODBC and JDBC standards, DataDirect for Cassandra makes Cassandra instantly compatible with your existing applications.

The DataDirect solution lets you map Cassandra data, including collections, into their relational counterpart—well-structured, child tables that relate to a primary parent table. DataDirect Cassandra ODBC and JDBC connectivity are the only solutions in the market providing this powerful capability.

## Features

- No compromise in performance because of the the ability to execute joins across parent/child tables through a single query to Cassandra
- SQL-92 compliant with industry-leading breadth of SQL coverage
- Available as ODBC and JDBC interfaces
- Available to query, sort and/or aggregate all data stored in collections via SQL
- Expose collection data types using relational concepts and standards (SQL) for existing staff
- Simplified and narrower table definitions
- Ability to execute joins across parent/child tables via a single query to Cassandra
- Maximize Cassandra performance via optimized joins across tables
- Execute joins of data from different Cassandra databases

## Benefits

- **Compatibility:** Leverages industry-accepted SQL-based ODBC and JDBC standards to provide robust relational connectivity that enables instant compatibility to your existing applications
- **Performance:** Comes optimized for performance to ensure no latency and throughput when connecting to Cassandra systems
- **Connectivity:** Enables connectivity to virtually any application, including BI, analytics and data warehousing projects, and directly to Cassandra systems—without compromising Cassandra functionality

## About Progress

Progress (NASDAQ: PRGS) is a global leader in application development, empowering the digital transformation organizations need to create and sustain engaging user experiences in today's evolving marketplace. With offerings spanning web, mobile and data for on-premises and cloud environments, Progress powers startups and industry titans worldwide, promoting success one customer at a time. Learn about Progress at [www.progress.com](http://www.progress.com) or 1-781-280-4000.

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Rev 16/06 | 140903-0068

## Specifications

- Supports all major OS platforms including Microsoft Windows, Linux, HP-UX, AIX, Solaris and more
- Supports ODBC standard 3.52
- Support Cassandra versions 1.2 and 2.0
- Support for 32-bit and 64-bit applications
- Compatible with J2SE 5 and higher
- ANSI SQL-92 Compliant

## Learn More

Want to learn more about Progress DataDirect for Cassandra?  
Our experts are standing by to help.  
To contact us by phone, call:

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