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JBOSS AND ANT

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INDEX

JBOSS

WildFly (formally WildFly Application Server), formerly known as JBoss AS, or simply JBoss a cross-platform, open source Java application server, compatible with any operating system on which the Java Virtual Machine is available. In addition, it can be deployed on Arsys Cloud Servers in just a few clicks through the Application Catalog.

Characteristics

- Fast start-up so that applications can be started up quickly by running critical processes in parallel
- Scalability so that you have a set of tools ready to meet a large demand
- Saving memory so that it is able to minimize the assignment of positions, avoiding the loading of duplicate classes and objects.
- Engine capable of being configured to the needs. It has an architecture where modules can be added or removed, which can reduce or expand its functionality on demand, helping to maintain memory and disk space adjusted to real needs.
- Unified management. The administration of its different modules can be done in a centralized and user-friendly way
- Based on standards. Leverages the latest Java EE7 enhancements to maximize application capabilities and developer productivity and has a platform that is adapted to all the latest modern web standards and access from devices.
- Modular so that it is able to use its own architecture to create isolated modules
- Easily testable.
- Based on the most representative Open Source projects in the Java world.

ADVANTAGES

- It is very well adapted to working in the cloud and allows you to take advantage of the benefits of the Cloud platforms
- Install it in just a few clicks from the Arsys Cloud Application Catalog
- Support for many users, traffic or processing needs
- Open Source

DISADVANTAGES

The only disadvantage is that if the server goes down, it will leave all those people using the service unsupported

ANT (Another Neat Tool)

It is a tool used in programming to perform mechanical and repetitive tasks, usually during the compilation and construction phase (build) This is a software for compilation automation processes, similar to Make but developed in Java language and requires the Java platform, so it is more appropriate for the construction of Java projects.

ADVANTAGES

- It is the software building tool used by most Java development projects.
- It is open source
- It is easy to use so that developers can adapt test based development and even extreme programming

DISADVANTAGES

- As it is an XML-based tool, Ant files must be written in XML, so it creates a big problem in big projects, when very big and complex files are built
- Most of the old tools (javac, exec and java) have bad default settings and values for options that are not consistent with the latest tasks.
- When expanding the properties in a string or text element, the undefined properties are not raised as an error, but left as an unexpanded reference7
- It is not a language for general workflow, and should not be used as such.

Alternatives to WildFly and Ant

FIREBIRD

It is an open source relational database management system (or RDBMS) (Query language: SQL), based on Interbase version 6, whose code was released by Borland in 2000.

CHARACTERISTICS

- It is multiplatform, and can currently be run on: Linux, HP-UX, FreeBSD, Mac OS, Solaris and Microsoft Windows.
- It can run on computers with low hardware.
- Client/Server architecture over TCP/IP protocol
- Support for ACID transactions and foreign keys.
- Read-only databases, for applications running from non-writable devices
- Existence of ODBC, OLEDB, JDBC, PHP, Perl, .net drivers, etc.
- Low administration requirements, being considered as a maintenance-free database, apart from making backups.
- Complete language for writing triggers and stored procedures called PSQL
- Support for User-Defined Functions (UDFs).

CUBRID

It is a relational database management system (RDBMS) developed by Search Solution Co. Ltd. (Search Solution Co. Ltd.), Korea. The DBMS engine uses the GNU General Public License version 2 (GPLv2), and its interface is an open source software licensed from Berkeley Software Distribution (BSD). The DBMS system is compatible with the SQL standards defined by the International Organization for Standardization (ISO).

CHARACTERISTICS

- High availability so that it provides continuous, error-tolerant service availability and load balancing through its automated clustering mechanisms
- Intermediary failover through which a user connects via a client API
- Database partitioning, making it provide integrated support for database partitioning. The partitioning interface is implemented by a special intermediary called CUBRID SHARD
- Online, offline and incremental backup.

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