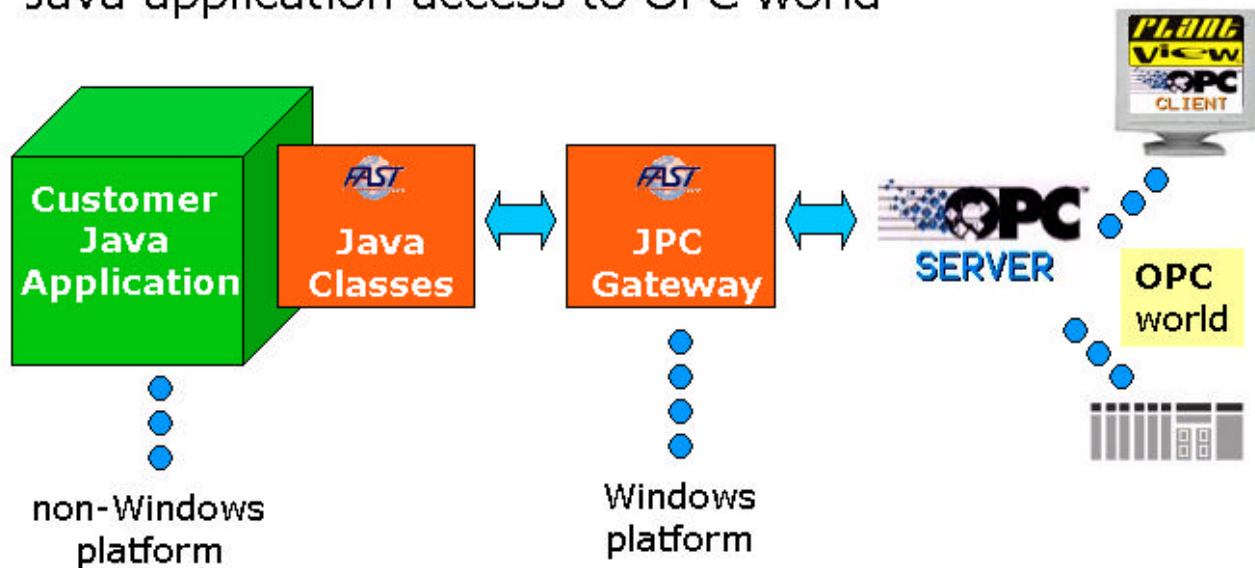# Java for Process Control

gateway between OPC and the world: allows Java application access to OPC world

FAST presents JPC, Java for Process Control, programming interface that allows Java applications "Write Once, Run Anywhere" to access OPC world even from non-windows platforms.

JPC is a two multithread modules toolkit:

1. a Java application running on Windows platform acting as a gateway towards OPC servers
2. a Java classes library (Jar) reproducing OPC functions that can be integrated in any Java application running even on non-windows systems.

JPC is the easiest and fastest way to extend OPC technology to different platforms without limiting platform diversity.

Java library technical details:

The Java library is the core of the toolkit and implements the OPC DA specification using Java datatypes and architecture. The classes are thread-safe and the objects are self-running, properly hided to the user-developer who just has to use them correctly. The library, however, allows a partial access to the classes in order to be extended if required.

The transport protocol is RMI (Remote Method Invocation), a standard for Java since 1.1 version. It is a binary protocol optimized for distributed Java-to-Java applications, the best for LAN solutions.

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