

Java Web Start



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Java Web Start

Kdy použít

- GUI (Java aplikaci)
- Web aplikaci



Java Web Start

Problémy spuštění Java aplikací

- Instalace na klientský počítač
- Spuštění
 - `java -cp PATH cz.hsf.package.MainClass`
 - `Java -jar file.jar`
 - `.bat`, `.sh`
 - Platformy
- Aktualizace aplikace
- Kompatibilita verze JVM
 - Aplikace
 - Klientský počítač



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Řešení

- Vyrobit si vlastní nástroj
- Apache-Jakarta Commons Launcher
- Java Web Start



Java Web Start

Omezení

- An application must be delivered as a set of JAR files.
- All application resources, such as files and images must be stored in JAR files; and they must be referred to using the getResource mechanism in the Java 2 platform
- No access to local disk.
- All JAR files must be downloaded from the same host.
- Network connections are enabled only to the host from which the JAR files are downloaded.
- No security manager can be installed.



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Omezení

- No native libraries.
- Limited access to system properties. The application has read/write access to all system properties defined in the JNLP File, as well as read-only access to the same set of properties than an Applet has access to.
- An application is allowed to use the System.exit call.
- An application that needs unrestricted access to the system will need to be delivered in a set of signed JAR files. All entries in each JAR file must be signed.



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Příklad

- *jnlp* - xml definice aplikace a závislostí
 - Java Network Launching Protocol
- Prohlížeč stáhne (http)
- Ověří
- Spustí



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Výhody

- Aktualizace
- Jednoduché spuštění
- Instalace = 1 URL
- Zabezpečení



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Závěr

- <http://java.sun.com/products/javawebstart/>
- <http://argouml.tigris.org/>

