

Tango Web

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In charge of the Tango Web project

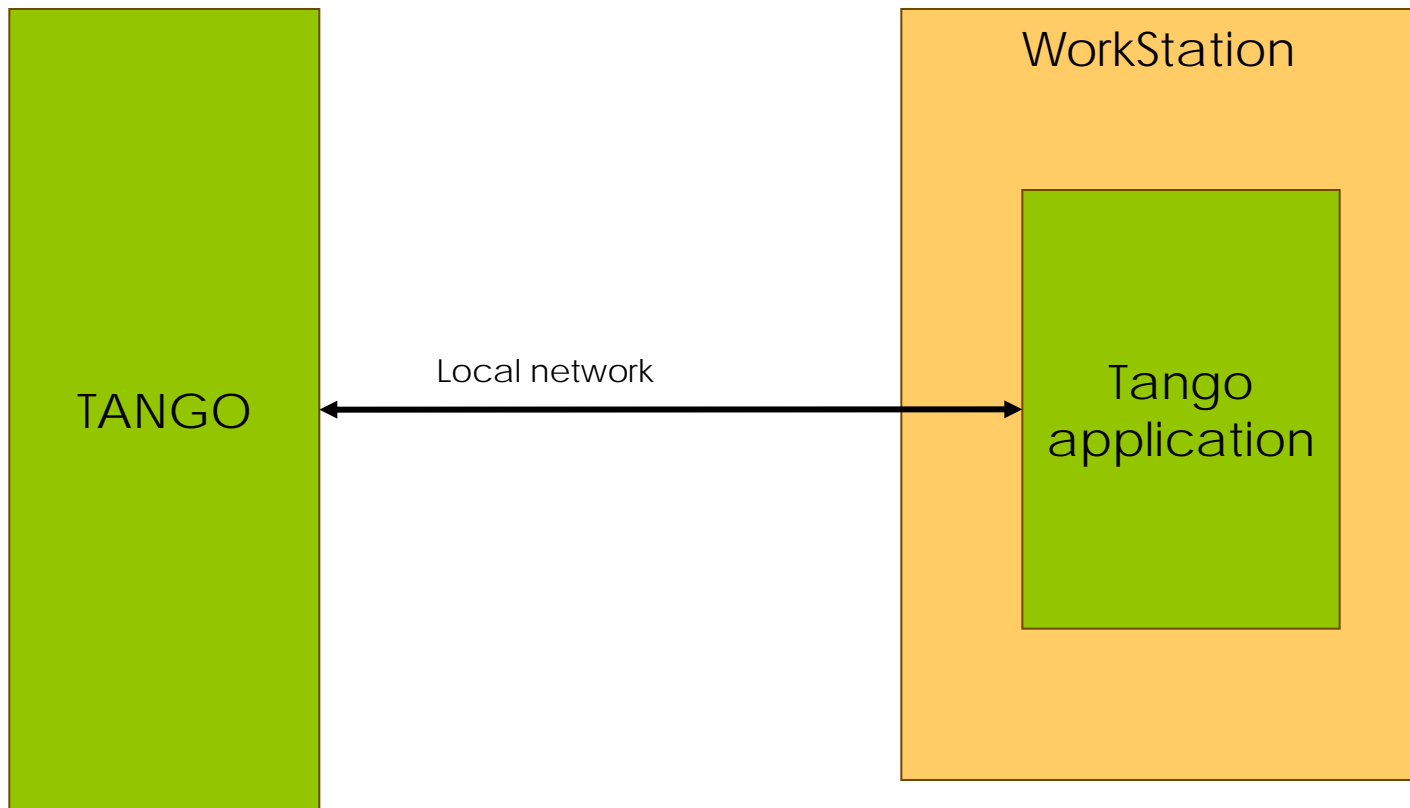
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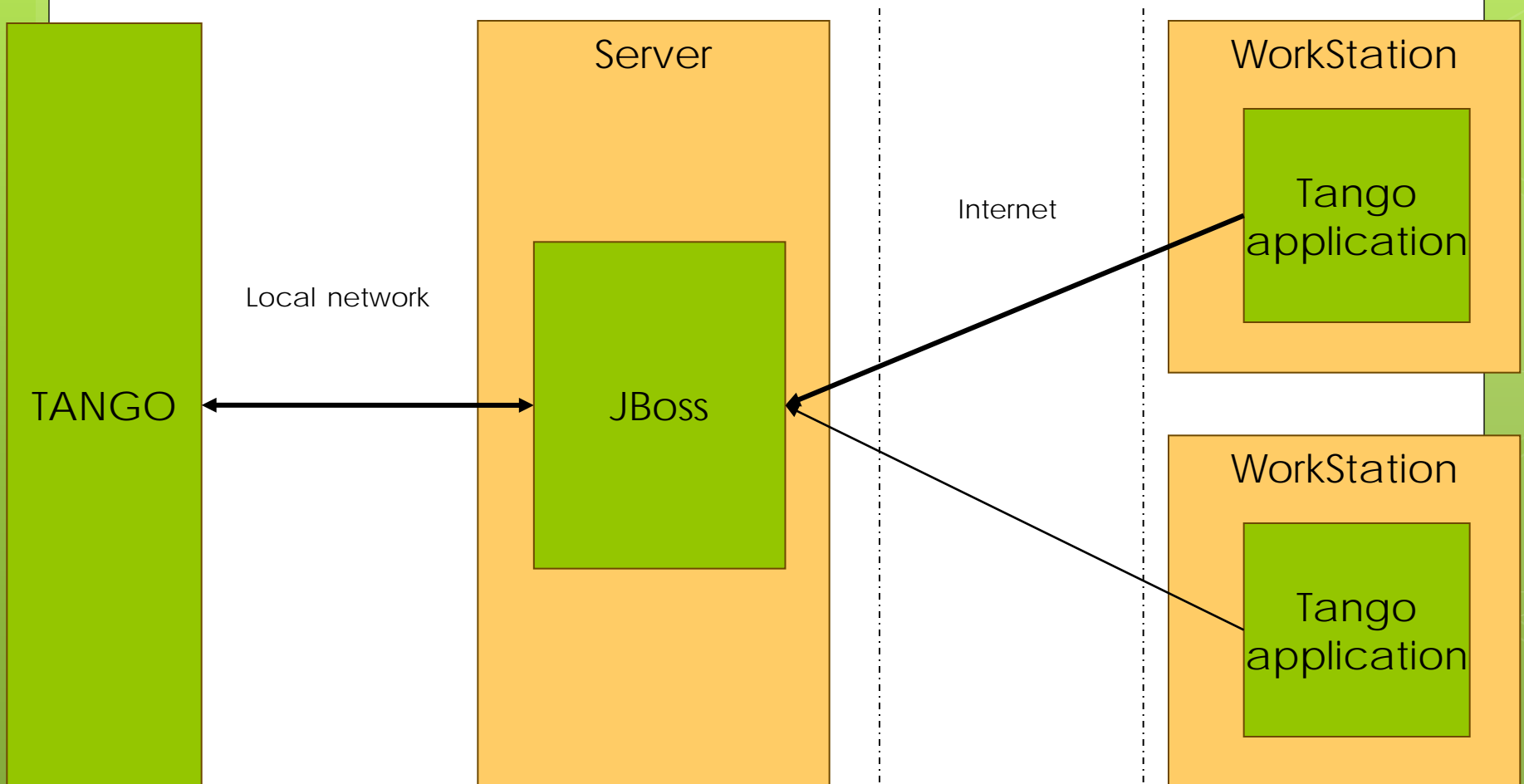
Tango Web principle

- Create a « WebTangORB » component accessing TANGO from the internet.
- A JBOSS server receives all requests from web client.
- Only the JBOSS server gets direct access to the tango bus

Classic Tango access



TANGO access from the internet



The goal

- Reuse existing libraries
 - TangoORB
 - Comete
 - ATK
- Reuse existing applications
 - Mambo
 - MachineStatus
 - Jive...

Client side applications

- Based on Java Web start technology:
 - Use a « jnlp » file to download application mandatory files
 - At each application start, java web start searches for the most recent version to download
 - Java web start applications follow the Java Applet security constraints (secured class loader, restricted access, ...)

In Brief

The applications reach TANGO via Internet thanks to 3 jars:

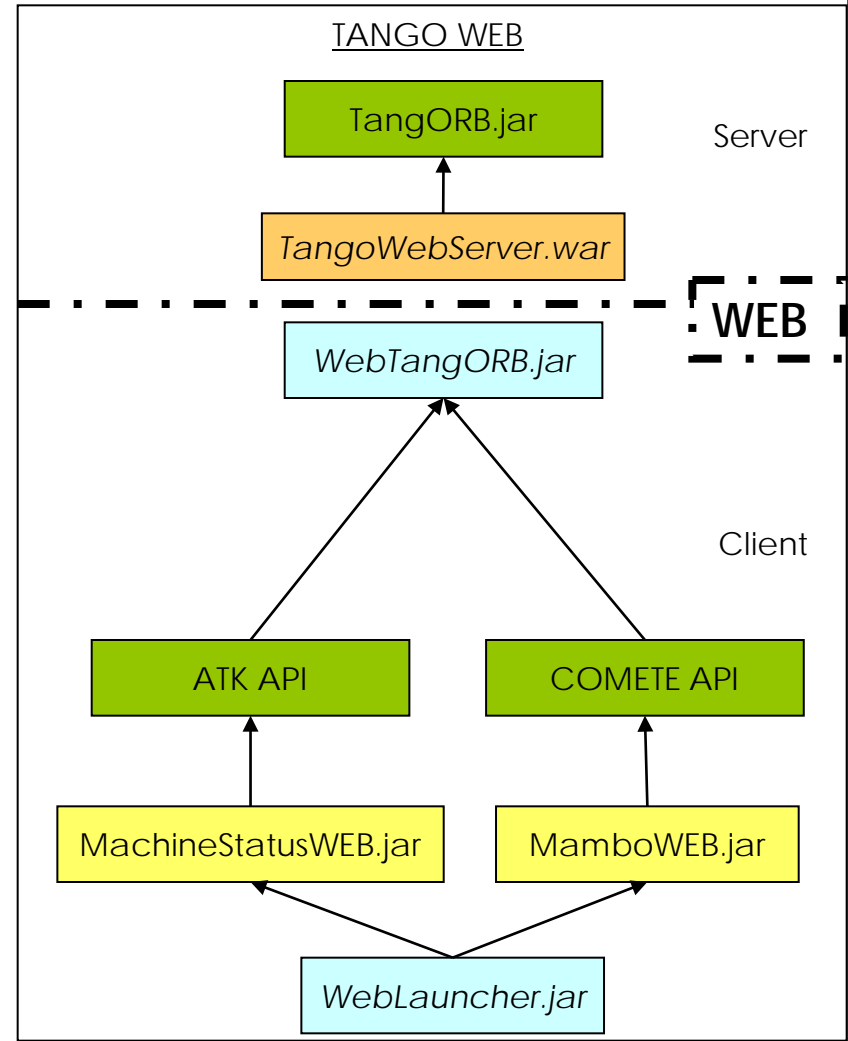
- WebTangORB** : Module to get data
- WebLauncher** : starts application on client side
- TangoWebServer** : Tango Web Server.

-PROS

-No modification are to be done on the application side to make it available through the WEB

-CONS

-Rely on the availability of a JVM on the client side



Upcoming developments

- Creation of a WebRoot package, to make deployments easier
- Java 7 and 8 compatibility (especially with recent security rules)
- Of course, ensure compatibility with upcoming Tango versions

Questions ?