Integration Community of Practice: Fabric Install prerequisites

Posted by [Michael Thirion](#) May 20, 2016

Fabric port numbers

Component	Default port	Edition in Karaf	Edition in Fabric
AMQ broker	61616	etc/system.properties	mq-default profile :: io.fabric8.mq.fabric.server-broker.properties POINTING TO mq-base profile :: [broker.xml](#)
Fabric MQ Gateway	61616	N/A	Gateway.mq profile :: io.fabric8.gateway.detecting.properties
Fabric HTTP Gateway	9000	N/A	Gateway.http profile :: io.fabric8.gateway.http.properties
Container SSH	8101 ++	etc/org.apache.karaf.shell.cfg	etc/org.apache.karaf.shell.cfg (at startup)
RMI Server	44444 ++	etc/org.apache.karaf.management.cfg	etc/org.apache.karaf.management.cfg (at startup)
RMI registry	8101 ++	etc/org.apache.karaf.shell.cfg	etc/org.apache.karaf.shell.cfg (at startup)
Jolokia URL	8181 ++	etc/system.properties	Default profile :: org.ops4j.pax.web.properties
Fabric Ensemble cluster	2888 ++ 3888 ++	N/A	-
Elastic Search web	9200	N/A	FABRIC8_ES_HTTP_PORT

Fabric installation

Packages:

- Java JRE 1.7 or Java JRE 1.8 (see supported configuration)

- telnet

Filesystem:

- ~5G main 'root" installation

- ~1G for each addition SSH or child container

Memory:

- Each container defaults to using 512Mb to 1G heap space + PermGen, thread stack…

- At least 1 VCPU for each 6G RAM

User:

- create 1 user for the fuse installation

- add JAVA_HOME to its profile filename

- do NOT set KARAF_HOME

Firewall:

- See port numbers