

Registry

DistributeMe Registry

What is DistributeMe Registry

Why does DistributeMe need a Registry

In the DistributeMe world a server is just a java process, running on a machine somewhere. A client, which is another process, or webservice, or just a class started from eclipse doesn't know where the server is running. To find out the location of the service you need a third player, someone known to both. This is the registry. The server registers itself at the registry (bind) and the client ask the registry about the whereabouts of the service (lookup). This way the client can dynamically lookup a service without a need for hardwired configuration. The CORBA analogy is the NameService.

Registry format

If you call your registry you will get something like this:

```
<services>
<service serviceId="org_distributeme_test_echo_EchoService" host="192.168.200.107" port="9250" protocol="rmi"
instanceId="awodzrtvcv" globalId="rmi://org_distributeme_test_echo_EchoService" registrationString="
rmi://org_distributeme_test_echo_EchoService.awodzrtvcv@192.168.200.107:9250" />
</services>
```

You will find a service entry for each registered service. The values are explained in following table:

Value	Explanation	Example
serviceId	The id of the service which is derived from source interface	org_distributeme_test_echo_EchoService
host	host on which the service is running. This is typically the first entry in the /etc/hosts	192.168.200.107
port	tcp port on which embedded rregistry is listening	Default range is 9250 - 9299
protocol	protocol that the service is speaking	rmi, corba or webservice
instanceId	unique instance id which changes on each restart	awodzrtvcv - 10 digits generated literal string
globalId	used by the client to obtain a service instance	rmi://org_distributeme_test_echo_EchoService
registrationString	complete service definition which is sent by the server instance to the registry for registration. Uniquely describes a service instance	rmi://org_distributeme_test_echo_EchoService.awodzrtvcv@192.168.200.107:9250