

DlogGroupFactory examples

- *Example of how to create a DlogGroup instance with DlogGroupFactory for a specific known group:*

```
DlogGroup dlogGroup = DlogGroupFactory.getInstance().getObject(("DlogECFp(P-224)", "Miracl");
```

- *Example of how to create a DlogGroup instance with DlogGroupFactory for a group that is known only at runtime, for example the name is read from a configuration file:*

```
class DlogGroupConfig{
    String dlogGroup = null;
    String dlogProvider = null;
    String algorithmParameterSpec = null;
}

DlogGroupConfig config = readConfigFile(fileName);
DlogGroup dlogGroup =
DlogGroupFactory.getInstance().getObject(config.dlogGroup+"("+config.algorithmParameterSpec+")",
config.dlogProvider);
```

Where the configuration file can look as follows:

DlogGroup.ini:

dlogGroup = DlogZpSafePrime

dlogProvider = CryptoPP

algorithmParameterSpec = 1024

dlogGroup = DlogECFp

dlogProvider = Miracl

algorithmParameterSpec = P-224

dlogGroup = DlogECF2m

dlogProvider = BC

algorithmParameterSpec = B-233