
<JSTORM>

EJB Home Factory



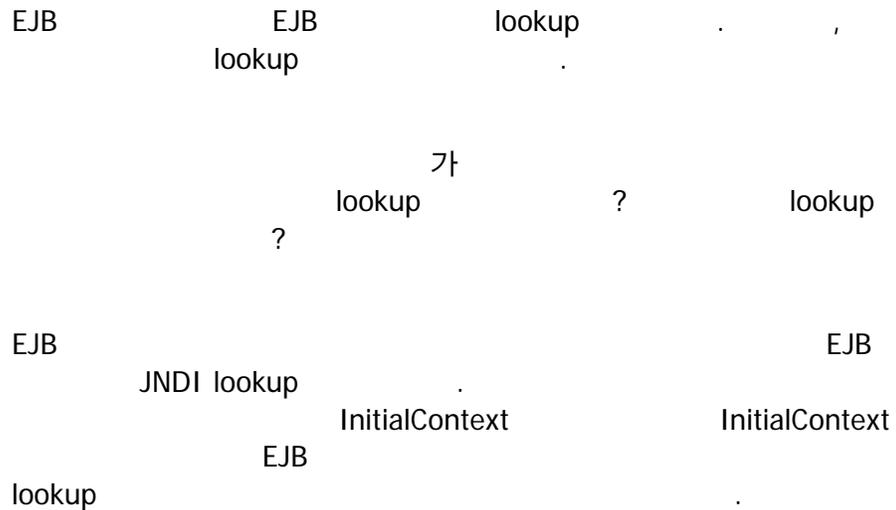
JSTORM
<http://www.jstorm.pe.kr>

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EJB Home Factory



```
try { // initial context

    Properties properties = new Properties();

    //          URL
    properties.put(javax.naming.Context.PROVIDER_URI,
        "some providers url");

    // initial context factory
    properties.put(javax.naming.Context.INITIAL_CONTEXT_FACTORY,
        "some name service");

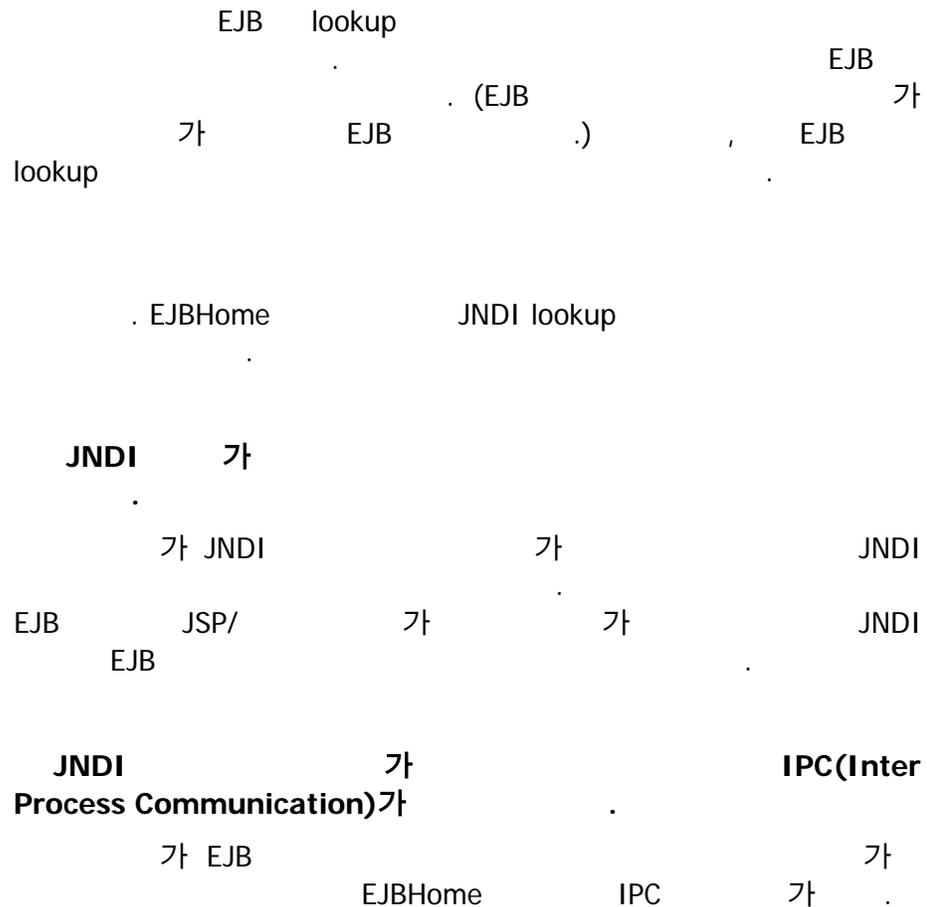
    initContext = new InitialContext(properties);
} catch (Exception e) {
    // initial context          ...
}
```

```

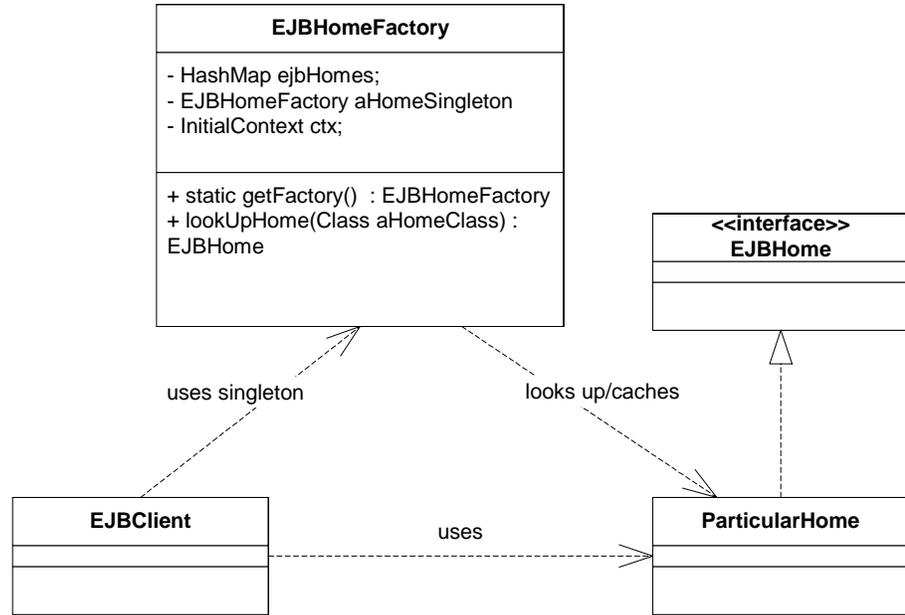
try { // JNDI lookup

    Object homeObject = initContext.lookup("aHomeName");
    myHome = (MyHome)
        javax.rmi.PortableRemoteObject.narrow(homeObject,
        MyHome.class);
} catch (Exception e) {
    // ...
}

// EJBObject
MyEJB anEJB = myHome.create();
    
```



가 EJB (JNDI) 가
EJB EJB
가 500 가
500 . 500
EJB lookup
EJB
, EJB 가 "EJB Home Factory"
"EJB Home Factory" EJB
"EJB Home Factory" 1 (Singleton
Pattern) EJB 가 EJB)
"EJB Home Factory"
가 . getXXXHome
lookup 가 lookup
EJB EJB 가
EJB



2. EJBHomeFactory

```

        lookup
        . "EJB Home Factory"
        .
        lookup
        Account bean
        .
        .(
        .)
    
```

```

AccountHome anAccountHome =
(AccountHome)EJBHomeFactory.getFactory().lookupHome(AccountHome.class);
    
```

```

!
.class
account
EJB
가
.(
)
JNDI
"EJB Home Factory"
JNDI
.class
가
hashmap
JNDI
"EJB Home Factory"
EJB
    
```

“JNDI Environment Entry”

JNDI URL properties
InitialContext ()
properties
runtime system properties (web.xml , ejb -D flag ... etc)
system properties InitialContext properties
가 .

JNDI 가 .

1 JNDI class (ie: com.xxx.xxxHome) 가 JNDI

environment entries .class JNDI
hashmap . JNDI
가 .

(lookUpHome(class) lookUpHome(JNDI , class))

“EJB Home Factory”

EJB lookup
. EJB
가 .
“EJB Home Factory”
(, EJB ...)
가 .

```
import javax.ejb.*;
import java.rmi.*;
import java.util.*;
import javax.naming.*;

/**
 * "EJB Home Factory",
 * EJBHome      hashmap
 */
public class EJBHomeFactory {
    private Map ejbHomes;
    private static EJBHomeFactory aFactorySingleton;

    Context ctx;

    private EJBHomeFactory() throws NamingException {
        //Initialize context with System property Info
        ctx = new InitialContext();
        this.ejbHomes = Collections.synchronizedMap(new HashMap());
    }

    /**
     * EJBHomeFactory
     */
    public static EJBHomeFactory getFactory() throws NamingException {
        if ( EJBHomeFactory.aFactorySingleton == null ) {
            EJBHomeFactory.aFactorySingleton = new EJBHomeFactory();
        }
        return EJBHomeFactory.aFactorySingleton;
    }
}
```

```
/**
 * EJBHome lookup
 **/
public EJBHome lookUpHome(Class homeClass) throws NamingException {
    EJBHome anEJBHome = (EJBHome) this.ejbHomes.get(homeClass);

    if(anEJBHome == null) {
        anEJBHome = (EJBHome) javax.rmi.PortableRemoteObject.narrow (
            ctx.lookup (homeClass.getName()), homeClass);
        this.ejbHomes.put(homeClass, anEJBHome);
    }
    return anEJBHome;
}
} //EJBHomeFactory
```