<JSTORM>



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

Document Information

Document title:	
Document file name:	MasoJava4_Dongbin.doc
Revision number:	<1.0>
Issued by:	< > \$1
	, dbin@handysoft.co.kr
Issue Date:	<2001/01/05>
Status:	final

Content Information

Audience	
Abstract	
Reference	
	' '(<u>www.maso.co.kr</u>)
	· ·
Benchmark information	

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1995 가 가 .HTML

가 .

DHTML XML HTML

7 (SandBox)

	가						가
Win32					. JDK 1.1	AWT가 W	/in32
				JDK 1.0	AWT가 MFC		
		JIT			JFC		API가
API			가				
JDK 1.0							
				가			

7† . . JDK 1.1



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	10 ' 4.x ,	٤ - ٣	4.x .	.)
	JAR JAR CAB	, CA(Certifi	CAB cate Authority)	(Packaging)
VeriS	Sign	. VeriSign	(http://www.verisi	gn.com) 가
		RSA		
Intranet	Certificate Ser	ver		
JDK 1.1				
가			가	
H H H H	(Packaging)			
ゼゼ ゼゼ ゼゼ HTM	(Signing) ⁄IL			

	jar	JAR	. jar
	PKZIP		cabarc
CAB		MSZIP . JAR	
가		JAR	
CAB			

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user_pref("signed.applets.codebase_principal_support", true);

CAB (Signature)	signcode			CAB	
(Signature) .	가	가			,
(Fully Trusted)					
	? CAB	CAB	가		
. 1 CAB					
1		:	CAB		

HTML

	HTML			
1	IAD	APPLET	ARCHIVE	
J	AK .			
	<applet code="MyApplet" he<br="" width="200">archive="MyAppletArchive.jar"> <param name="VALUE="/> </applet>	ight=200		
(CAB . APPLET 7	PARAM	cabbase	
	<applet code="MyClass.class" width="100<br"><param name="cabbase" value="M<br"/><param name="VALUE="/> </applet>) height=100> IyAppletArchive.	cab>	
ł	base useslibrarycodebase useslibraryversion			cab





CA Private Key

FootPrint



가 10 가 **Capabilities API** Capabilities API 가 Capabilities API ? Principals, Targets, Privileges 가 . Principals 가 (Targets) (Privileges) 가 // SimplePrivSample.java package netscape.sample.security; import netscape.security.PrivilegeManager; import java.io.*; public class SimplePrivSample implements RunnableSample { public void run(PrintStream ps){ ps.println("Trying to acquire permission to read system properties..."); try { PrivilegeManager.enablePrivilege("UniversalPropertyRead"); ps.println("\tSuccess!"); } catch (netscape.security.ForbiddenTargetException e) { ps.println("\Failed! Permission to read system properties denied by user."); } catch (Exception e) { ps.println("\tFailed! Unknown exception while enabling privilege."); e.printStackTrace(ps); } ps.println();

```
String property = "user.home";
    ps.println("Trying to get system property (" + property + ")...");
    try {
      String propertyValue = System.getProperty(property);
      ps.println("\tSuccess!");
      ps.println("\t" + property + " = " + propertyValue);
    } catch (netscape.security.AppletSecurityException e) {
      ps.println("\tFailed! Security Violation.");
      e.printStackTrace(ps);
   } catch (Exception e) {
      ps.println("\Failed! Unkndown exception while accessing
              property.");
      e.printStackTrace(ps);
   }
 }
}
```

```
user.home
```

System.getProperty("user.home")

 AppletSecurityException
 "UniversalPropertyRead"

 Target
 (Privilege)

 PrivilegeManager.enablePrivilege ("UniversalPropertyRead");

. netscape.security.PrivilegeManager .

<u>http://developer.netscape.com/docs/manuals/index.html?content=signedobj/</u> secsampleharness.html

Target. Targethttp://developer.netscape.com/docs/manuals/signedobj/targets/index.htm2Target

Target	
UniversalFileAccess	
UniversalLinkAccess	
UniversalPropertyRead	
UniversalFileRead	
UniversalFileWrite	
UniversalFileDelete	

2	Target
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UniversalConnect	
UniversalFdRead	
UniversalFdWrite	
UniversalAccept	
UniversalListen	
UniversalThreadAccess	
UniversalThreadGroupAccess	

(Object Signing)

			sig	gntool		
http://develop	er.netscape.com	/docs/manua	als/signe	dobj/		
				(Certifi	cate)가	
Securi	ty Info/Certificat	es/Yours/Ge	et a Certi	ficate	CA	
(CA (Certificate		.()	
	Cer	tificate Serv	er			
				Security	Info/Password	
		"signtool	-G Mys	SignCert "		
MySignCert		가		Windows	-d	가
				. –d		
	users/user_nam	ne	. "	signtool –L"		가
	CA				,	signtool
		. "signtool -	-c0 -k M	ySignCert-Z t	estjar.jar signdi	ir "
signdir				testjar.jar		JAR
	. –c			0		







http://developer.netscape.com/docs/manuals/signedobj/signtool/index.htm

(www.maso.co.kr)

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