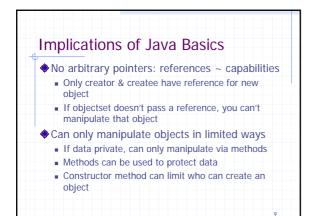
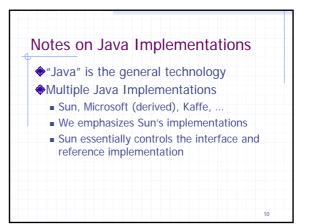
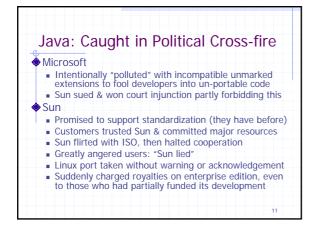


Set of built-in	APIs, including:
GUIs	A 13, moluany.
Networking	
 Computation 	1
Growth area	
Several class	es are security-related
functions su	ation will skim ordinary crypto ch as ones for encryption/decryption, anagement, etc., since they are not nique

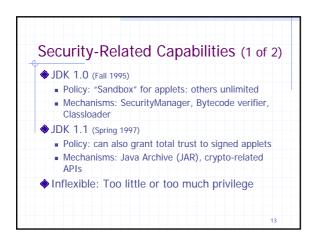
Access Control Modifiers				
Access Control Modifier	Class or Interface Accessibility	Member (Field or Method) Accessibility		
Public	All	All if class or interface is accessible; interface member always public		
Protected	N/A	Same package OR subclass		
"default" (Package private)	Same package	Same package		
Private	N/A	Only same class (not subclass)		

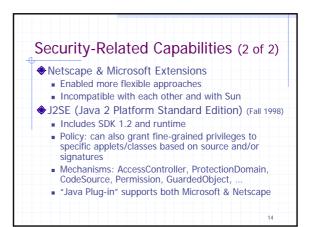




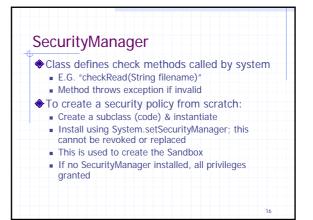


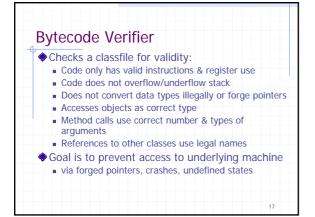


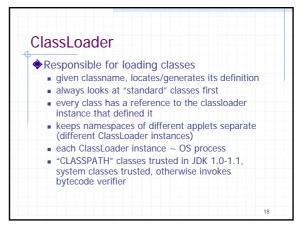




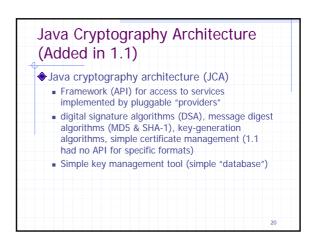


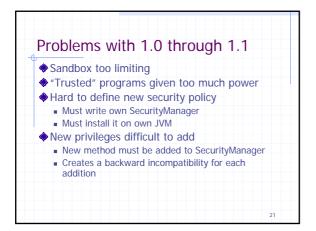




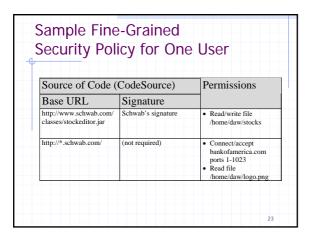


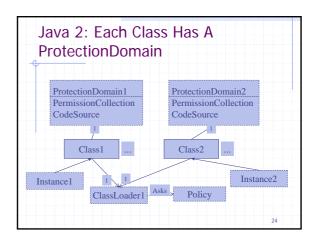
Java Archive (JAR) Format	. (1.1)
Format for collecting & optionally s files	igning sets o
 ZIP format + manifest + optional sign 	natures
Manifest	
In file META-INF/MANIFEST.MF	
 Lists (some) JAR filenames, digests, c algorithm(s) (MD5, SHA) 	ligest
Signatures	
 Separate manifest-like file, separate s 	ianature

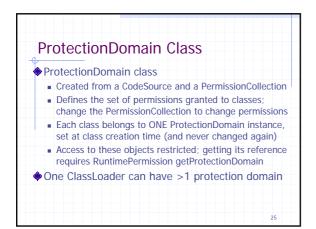


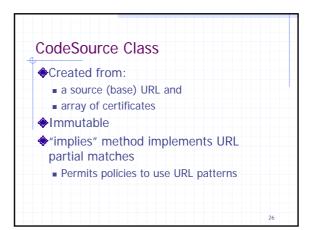


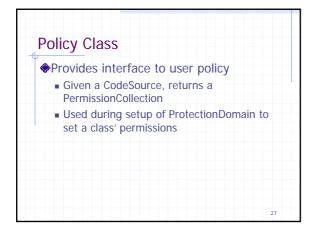
Security-Related Capabilities in Java 2 (SDK 1.2)	
 Fine-grained configurable policies Sample Security Policy Runtime State: ProtectionDomain/CodeSource/Policy Java 2 Runtime Security Check Algorithm Permission & Its Subclasses SecurityManager & AccessController GuardedObject & Guard Java Cryptography Architecture (JCA) changes Java Cryptography Extension (JCE) 	
22	

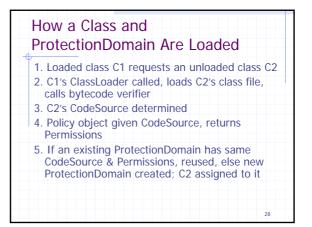


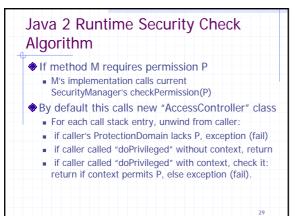


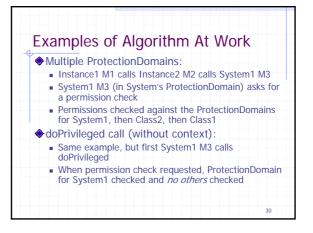


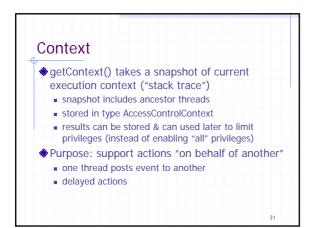


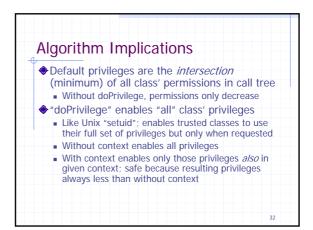


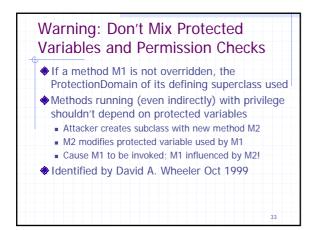












Permission class	
 Encapsulates a permission granted o requested 	r
 Can be set "read-only" (from then or immutable) 	1
Can be grouped using classes	
PermissionCollection and Permissions	\$

