

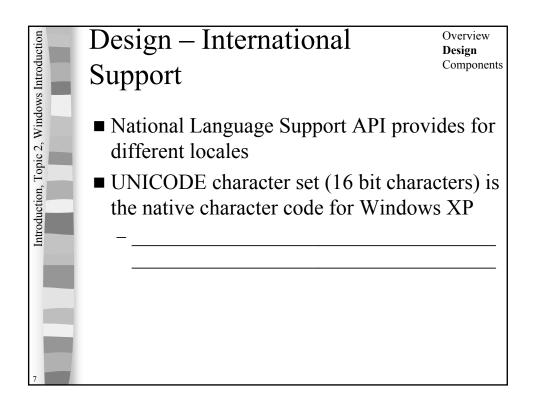
troduction	Design – Security	Overview Design Components
Introduction, Topic 2, Windows Introduction	■ NT 4.0 received C2 security classifica	
2	■ XP improves security further through	

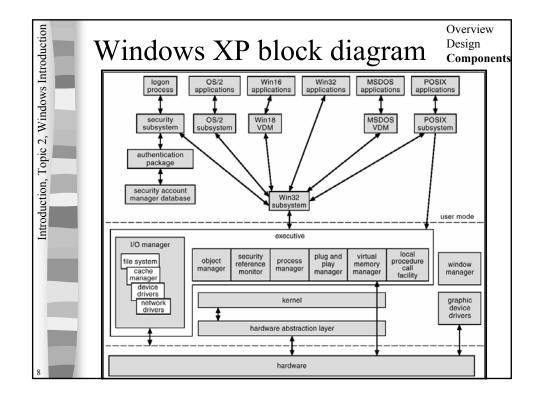
Introduction, Topic 2, Windows Introduction	i	Design – Reliability	Overview Design Componer	ıts
dows In		■ Improved reliability from		
, Win				
opic 2	۹	- <u> </u>		
ion, T			 	
oduct				
Intr			 	
п	п	■ XP improves <u>perceived</u> reliability by		
я	_			
3				

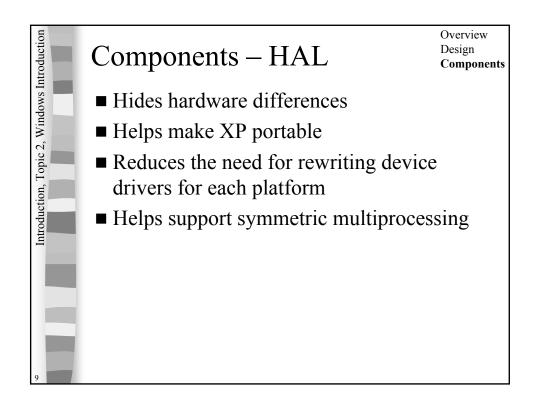
uo		Overview
oducti	Design – Compatibility	Design Components
Introduction, Topic 2, Windows Introduction	Native layer is either Win32 or Win64 ■ Application compatibility with - Win64 - Win32 - Win16 - MSDOS - OS/2 - POSIX:	•

Introduction, Topic 2, Windows Introduction		Design – Performance	Overview Design Components
ws Int	П	■ High performance on	
Windo			
ppic 2,			
ion, Tc		■ Windows 2000 used	
roduct			
Int			
ı	•	■ XP adds	
ì		_ 	
5		-	

Introduction, Topic 2, Windows Introduction	Design – Extensibility & Portability	Overview Design Components
Windows	■ Extensibility - Layered architecture	
Topic 2,		
roduction		
Int	■ Portability	
6		







Introduction, Topic 2, Windows Introduction	Components - Kernel	Overview Design Components
ntro		Components
dows I	■ Thread Scheduling	
Win		
ppic 2,		
ion, Tc	■ Synchronization Primitives	
oducti		
Inti		
i	■ Exception & interrupt handling	
1	_	
10		

Introduction, Topic 2, Windows Introduction	Components - Executive	Overview Design Components
	■ Object Manager	
Topic 2, W	■ Virtual Memory Manager	
troduction,	■ Process Manager	
In	■ LPC facility	
	■ I/O manager	
11		

Introduction, Topic 2, Windows Introduction	Components - Executive	Overview Design Components
	■ Cache manager	
on, Topic 2, V	■ Security reference monitor	
Introduction	■ Plug-and-play manager	
	■ Registry	
	■ Booting	
12		

vs Introduction	Components – (Environmental) Subsystems	Overview Design Components
Introduction, Topic 2, Windows Introduction	 Win64/Win32 Win16 MSDOS OS/2 POSIX Security 	