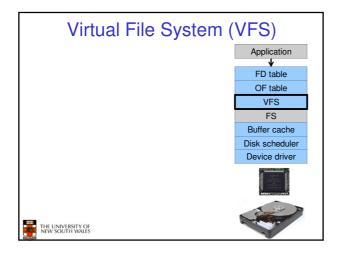
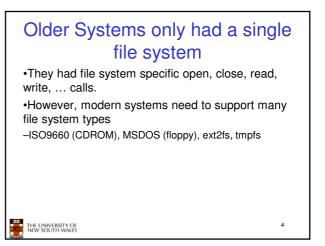
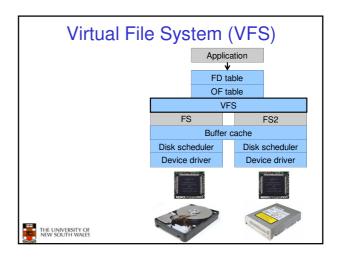
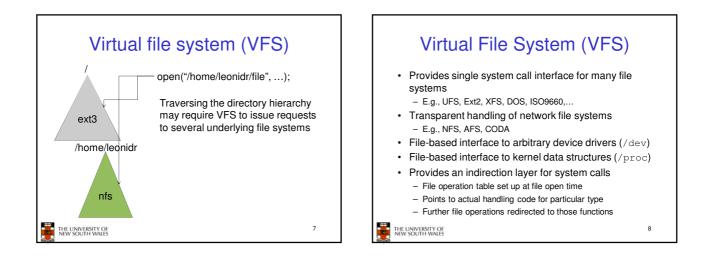
UNIX File Management (continued) With the file was a continued of the file was a cont

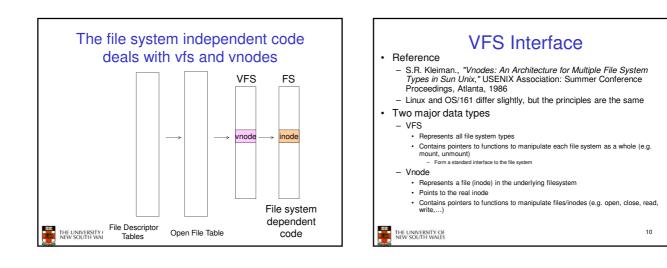


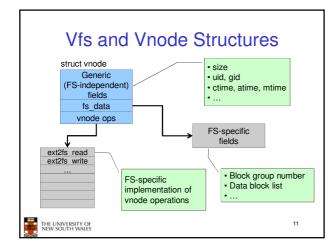


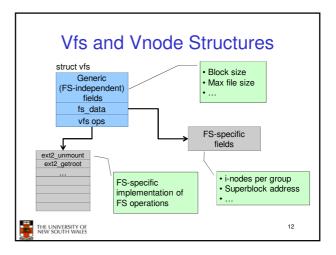
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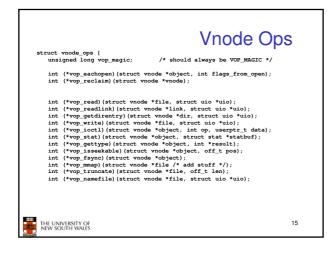


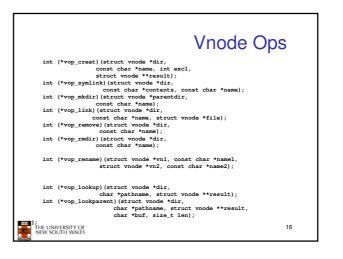


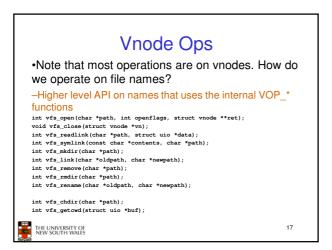


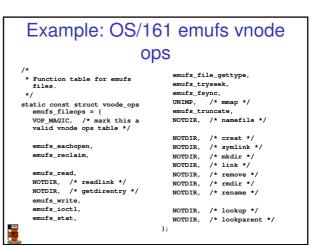
A look at OS/	161'	s VF	S		
The OS161's file system type Represents interface to a mounted filesystem		Force the filesystem t flush its con to disk			
struct fs {	/ _				eve the
int (*fs_sync) (struct fs				volun	ne name
const char *(*fs_getvolname)(str	uct fs '	*);	L		
<pre>struct vnode *(*fs_getroot)(struct int (*fs_unmount)(struct void *fs data;</pre>				ated v the	vnode with the
<pre>}; Private file system specific data</pre>		Unmount the Note: mount function ptr p vfs_mount	called v	via	
THE UNIVERSITY OF NEW SOUTH WALES				1	3

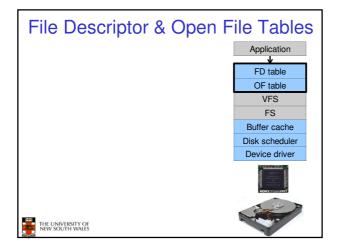
Count the number of "references"	Vnode		Lock for mutual				
to this vnode			exclusive				
struct vnode {	\	/	access to				
int vn_refcou	int;		counts				
struct spinlock vn_countlock;k							
struct fs *vr	n_fs;						
void *vn_data	Y Poi s vn	nter to FS specific ode data g. inode)	Pointer to FS containing the vnode				
const struct	vnode_ops	*vn_op	s;				
};	Array of pointers to functions operating on]	14				
THE UNIVERSITY OF NEW SOUTH WALES	vnodes		14				

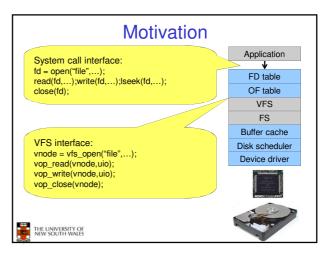


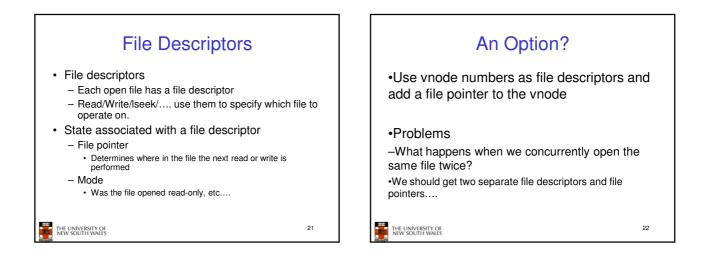


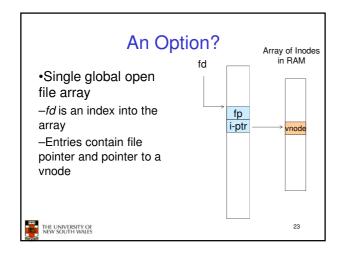


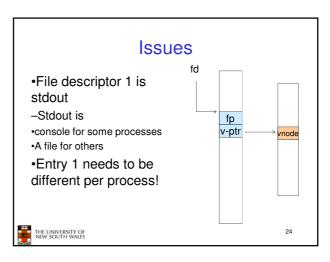


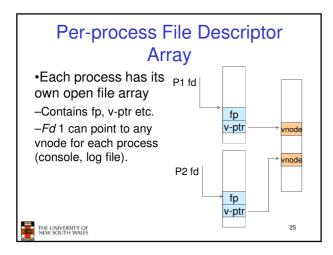


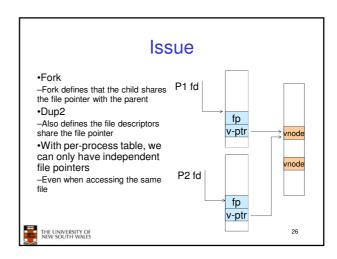


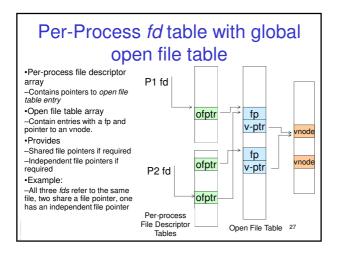


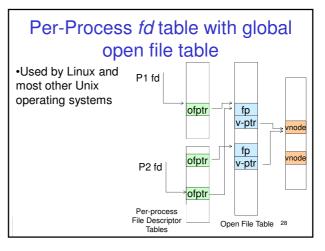


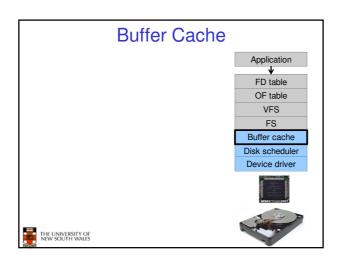


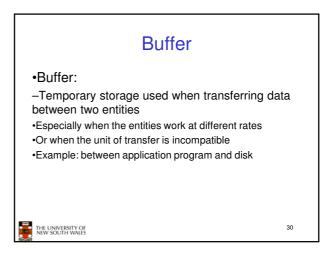


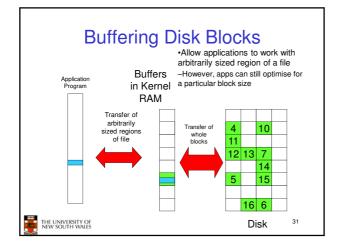


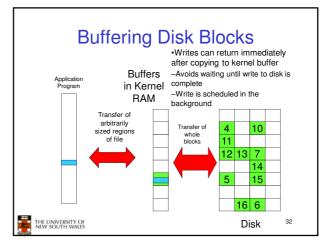


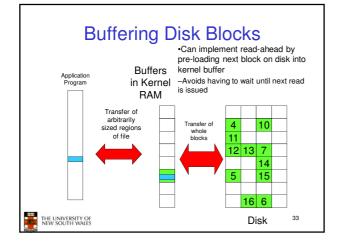












Cache	
•Cache: -Fast storage used to temporarily hold data to speed up repeated access to the data •Example: Main memory can cache disk blocks	
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