

File-sharing Onweb with Realistic Tailorable Security (**FORTS**)

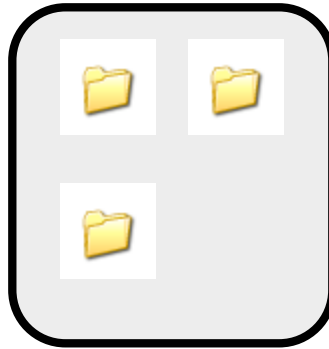
Ben Shneiderman

August 3, 2005

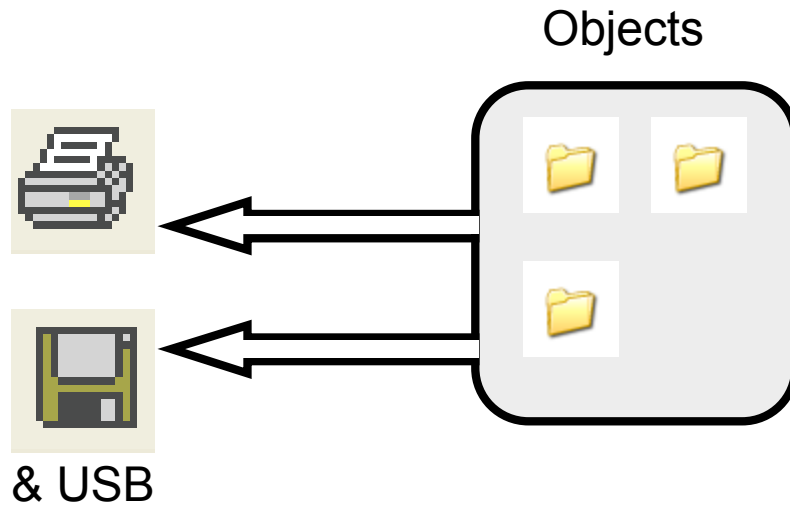
File-sharing Onweb with Realistic Tailorable Security (FORTS)



Objects

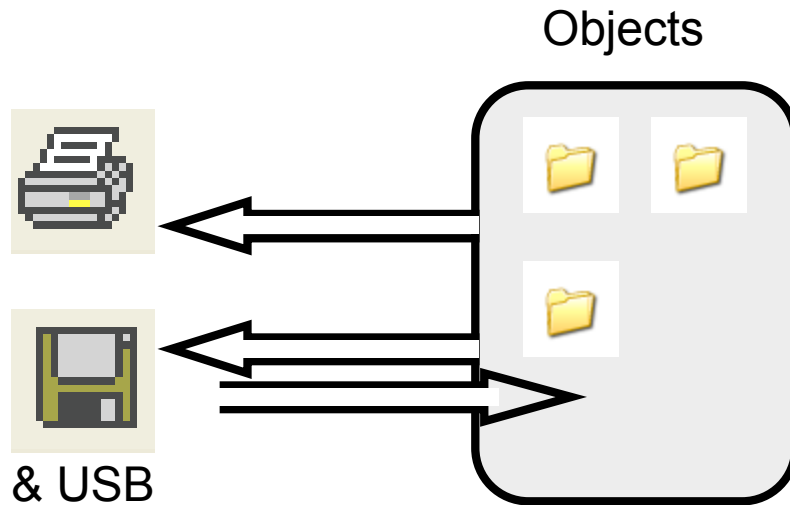


Level 0: Stand alone PC with files only
Personally secured, but inaccessible



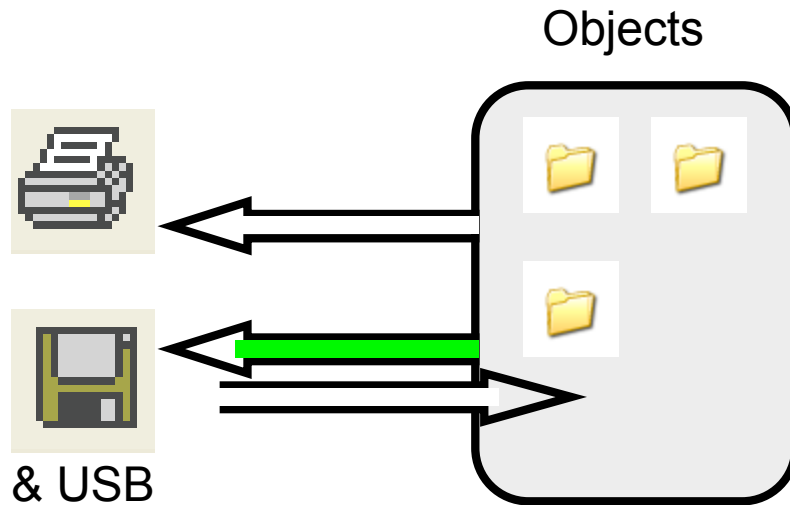
Level 1: Stand alone PC with files, local printer, local disks, no input

Personally secured, but limited access



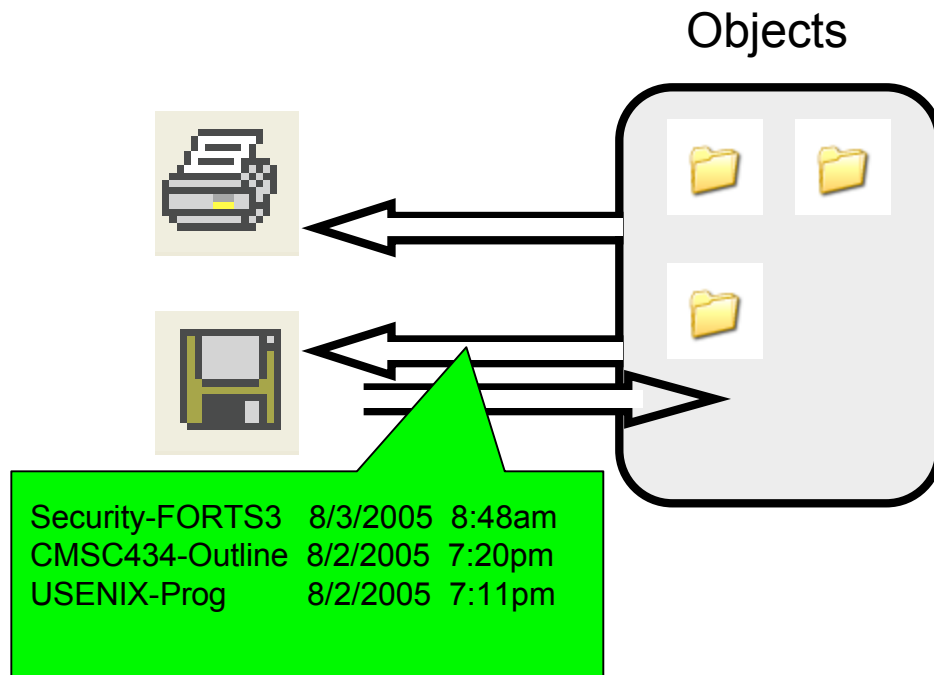
Level 2: Stand alone PC with files, local printer, local disks, two way

Personally secured, but limited access



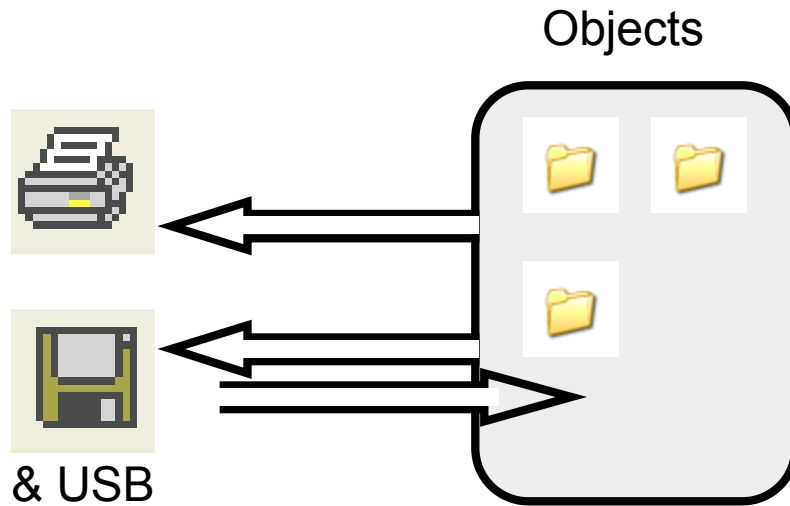
Level 2: Stand alone PC with files, local printer, local disks, two way

Personally secured, but limited access



Level 2: Stand alone PC with files, local printer, local disks, two way

Personally secured, but limited access



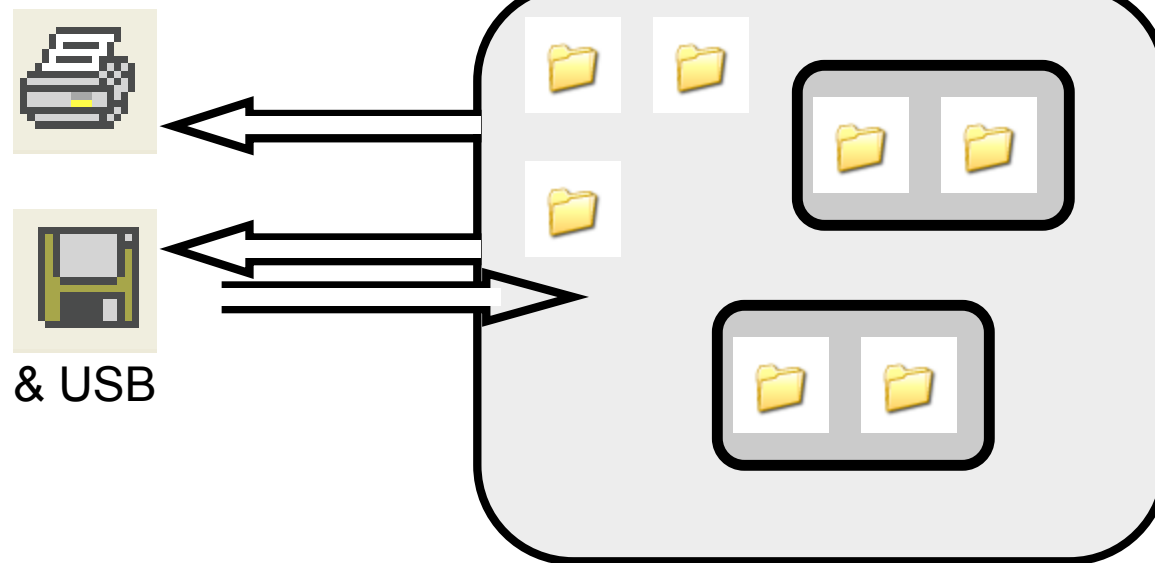
Level 2: Stand alone PC with files, local printer, local disks, two way

Personally secured, but limited access

Actors

<u>Name</u>	<u>Entity</u>	<u>Read</u>	<u>Write</u>	<u>Append</u>	<u>Modify</u>
Sue	Person	x	x	x	x
Western	Group	x			

Objects



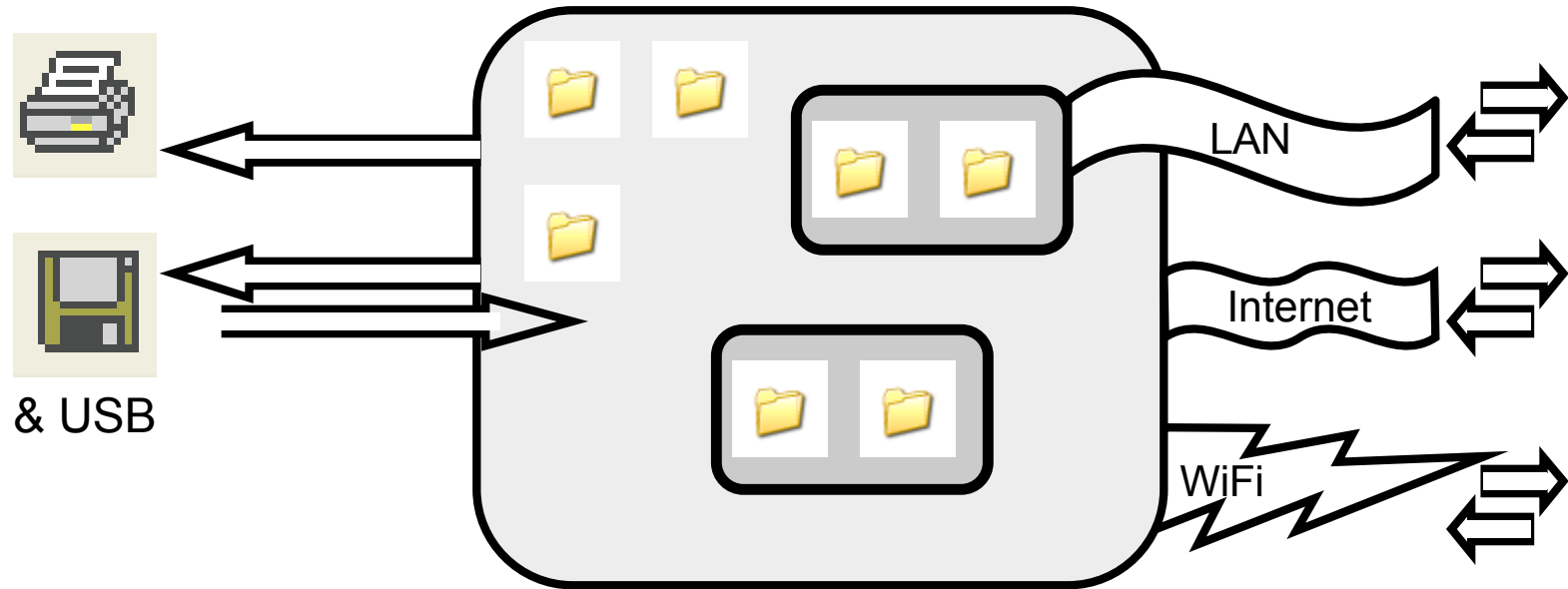
Level 3: Stand alone PC with files, local printer, local disks, two way

Multiple persons & groups given access to some folders, higher protection inside interior walls

Actors

<u>Name</u>	<u>Entity</u>	<u>Read</u>	<u>Write</u>	<u>Append</u>	<u>Modify</u>
Sue	Person	x	x	x	x
Western	Group	x			

Objects



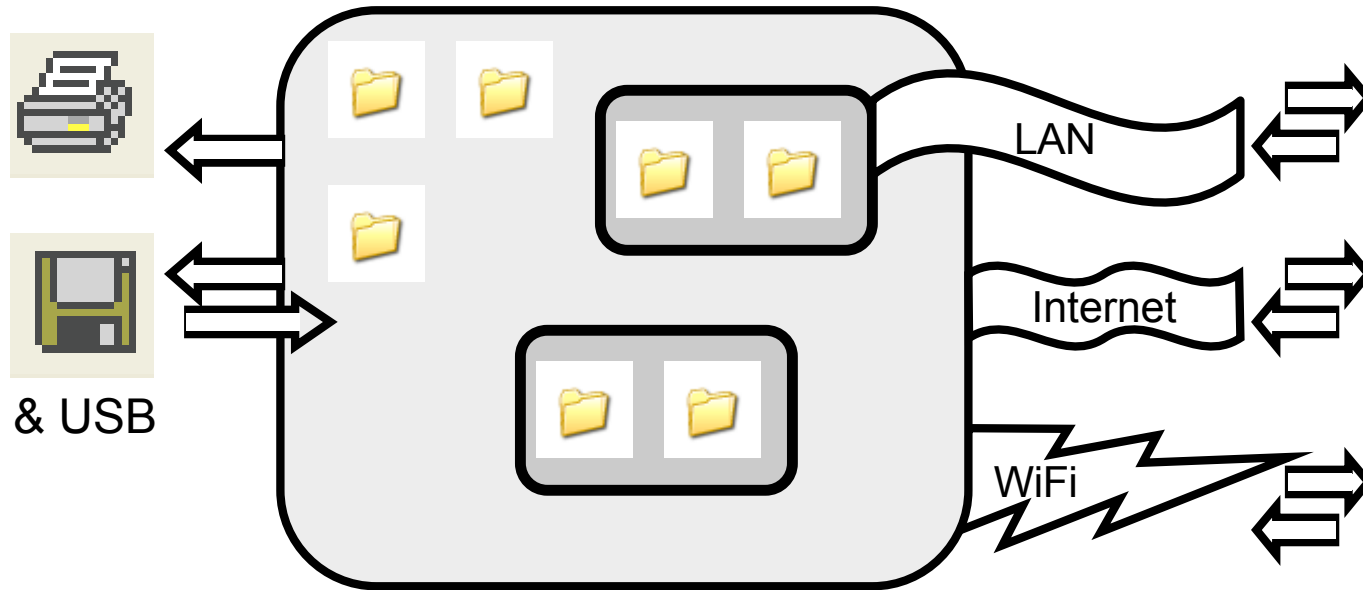
Level 4: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc.

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

Objects



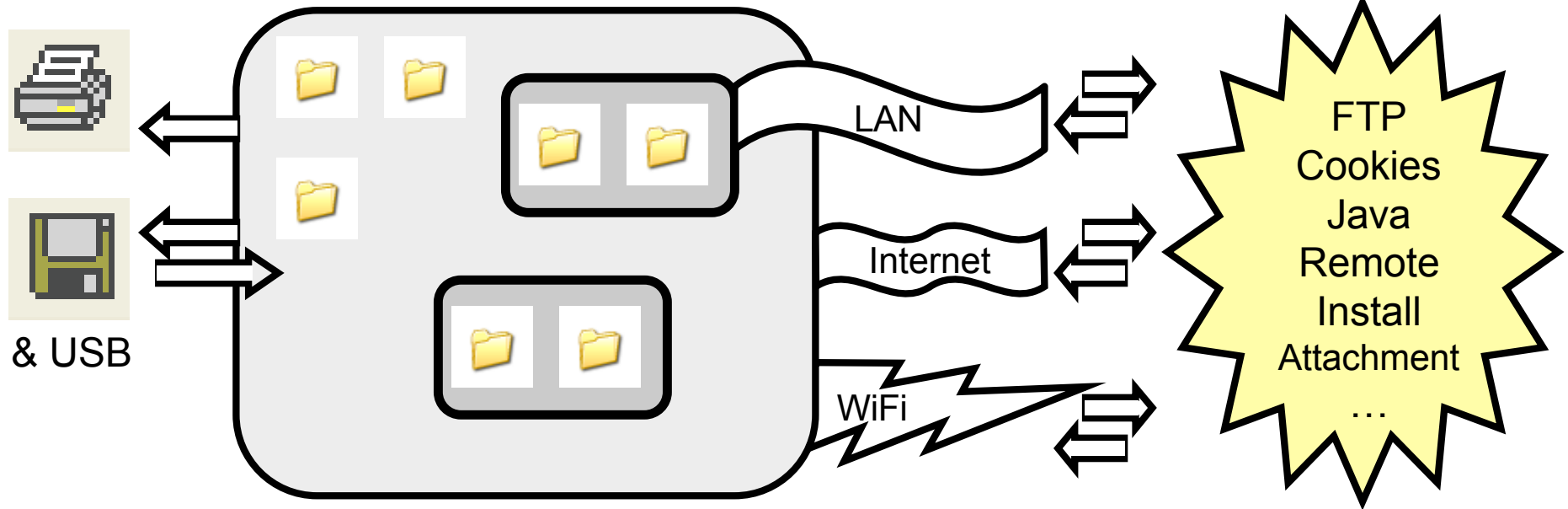
Level 4: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

Objects



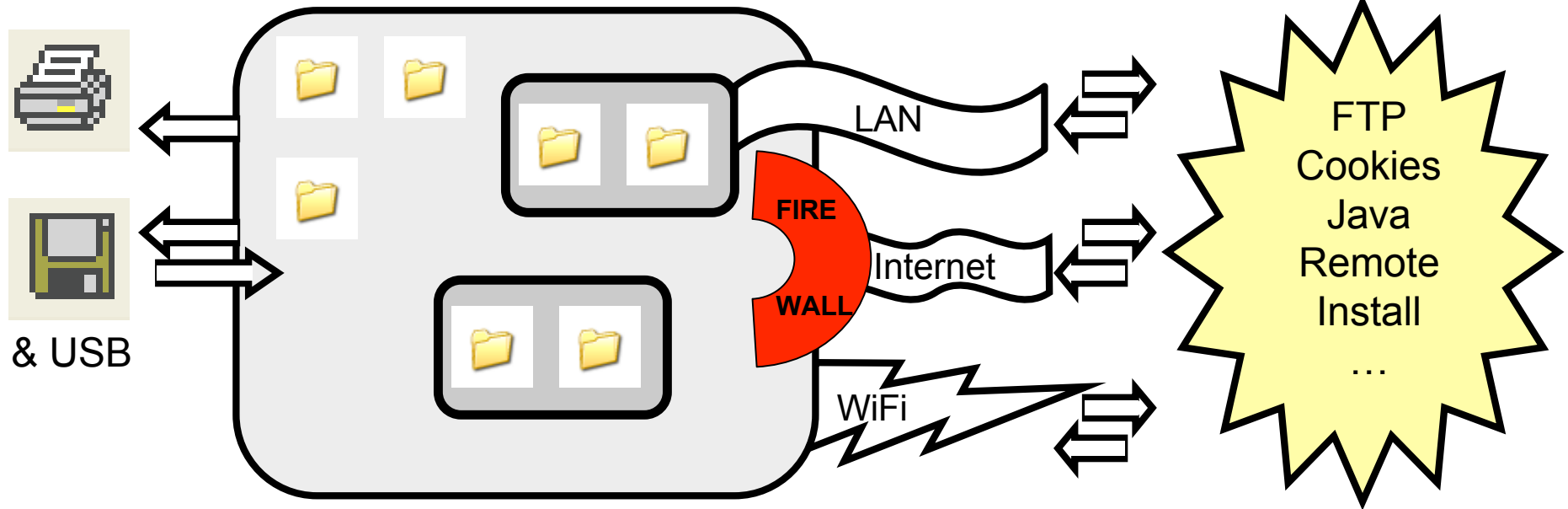
Level 4: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

Objects



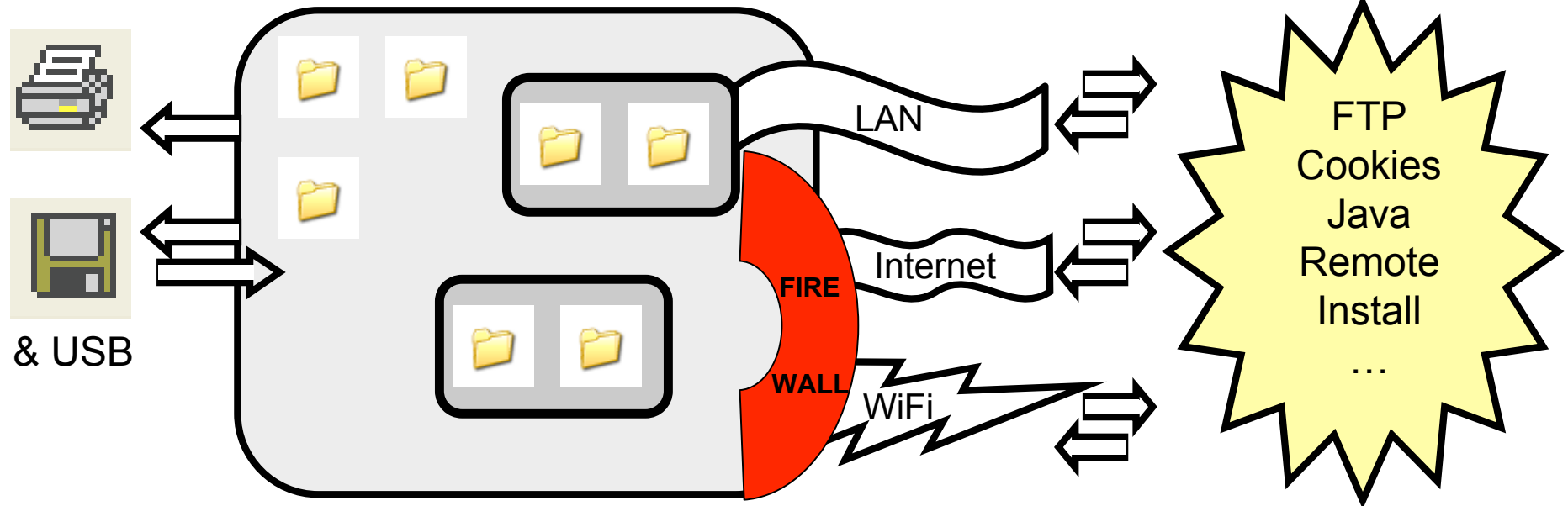
Level 5: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions. Firewall for protection

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

Objects

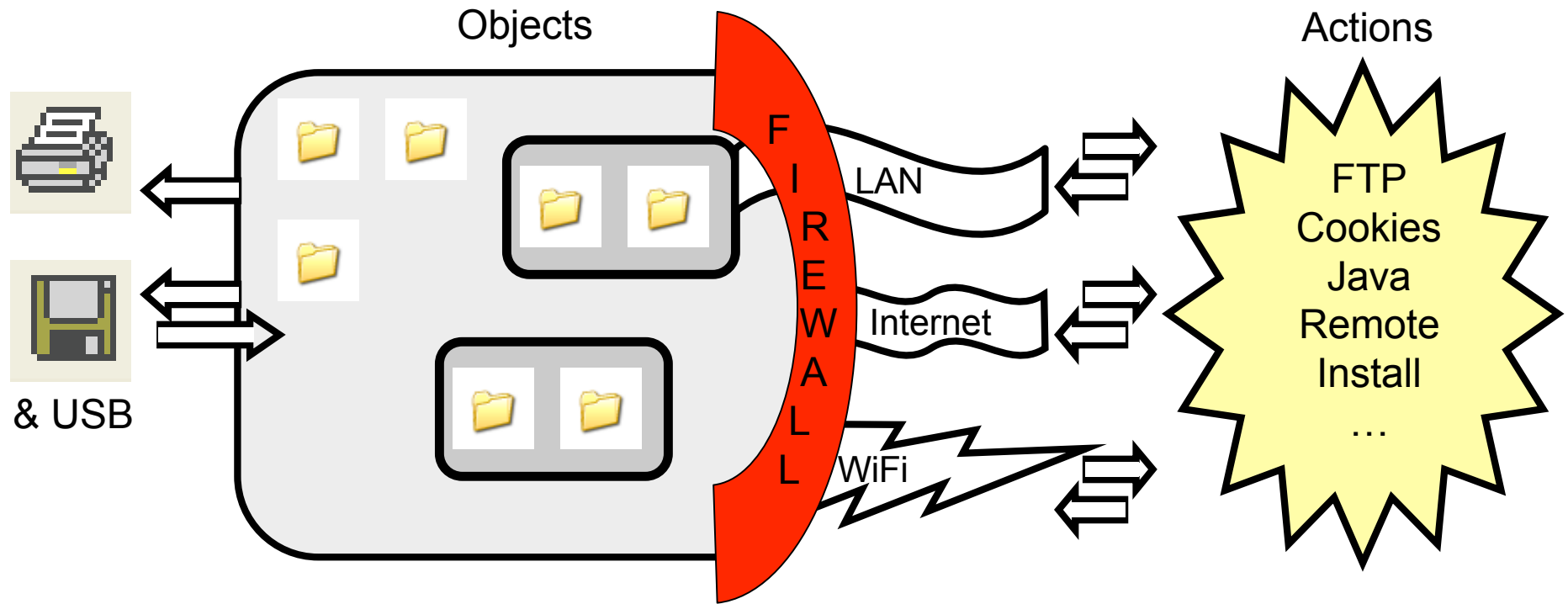


Level 5: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions. Firewall for protection

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

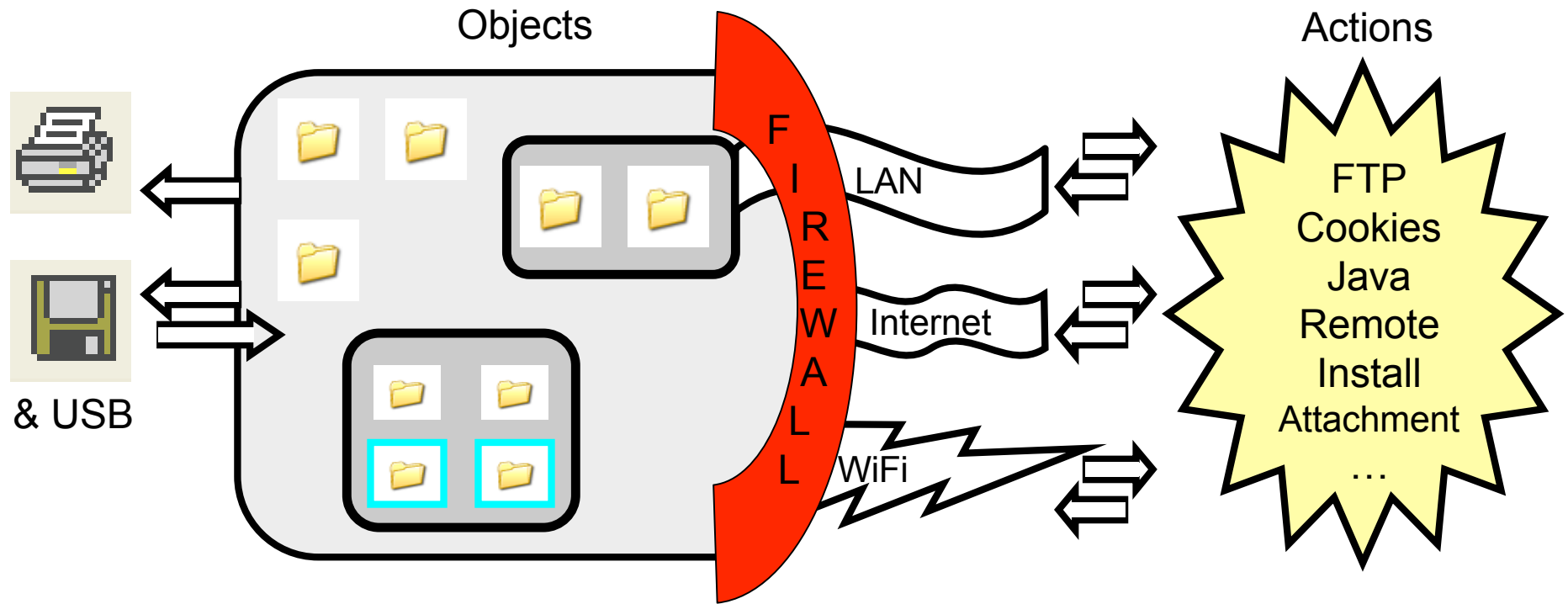


Level 5: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions. Firewall for protection

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			

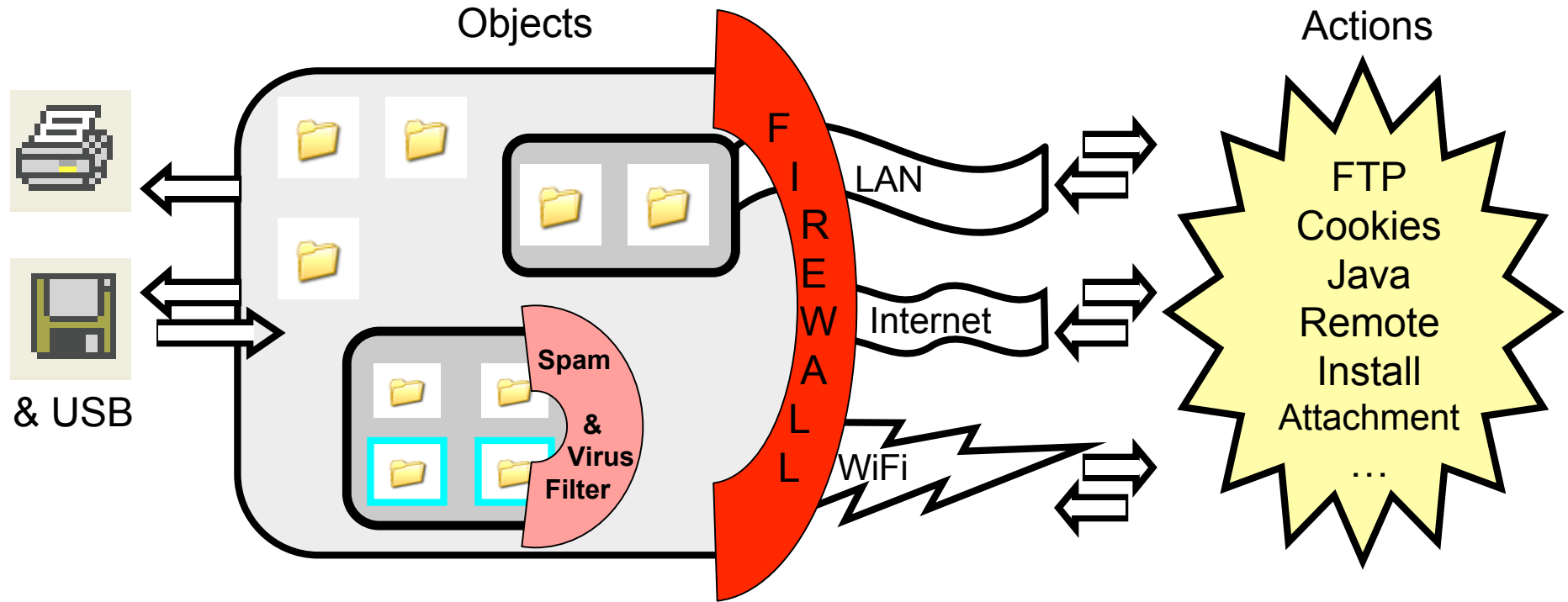


Level 7: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions. Firewall for protection

Actors

Name	Entity	Read	Write	Append	Modify
Sue	Person	x	x	x	x
Western	Group	x			



Level 7: Networked PC with files, local printer, local disks, two way

Access to outside world by LAN, Internet, WiFi, etc. for specified actions. Firewall for protection

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