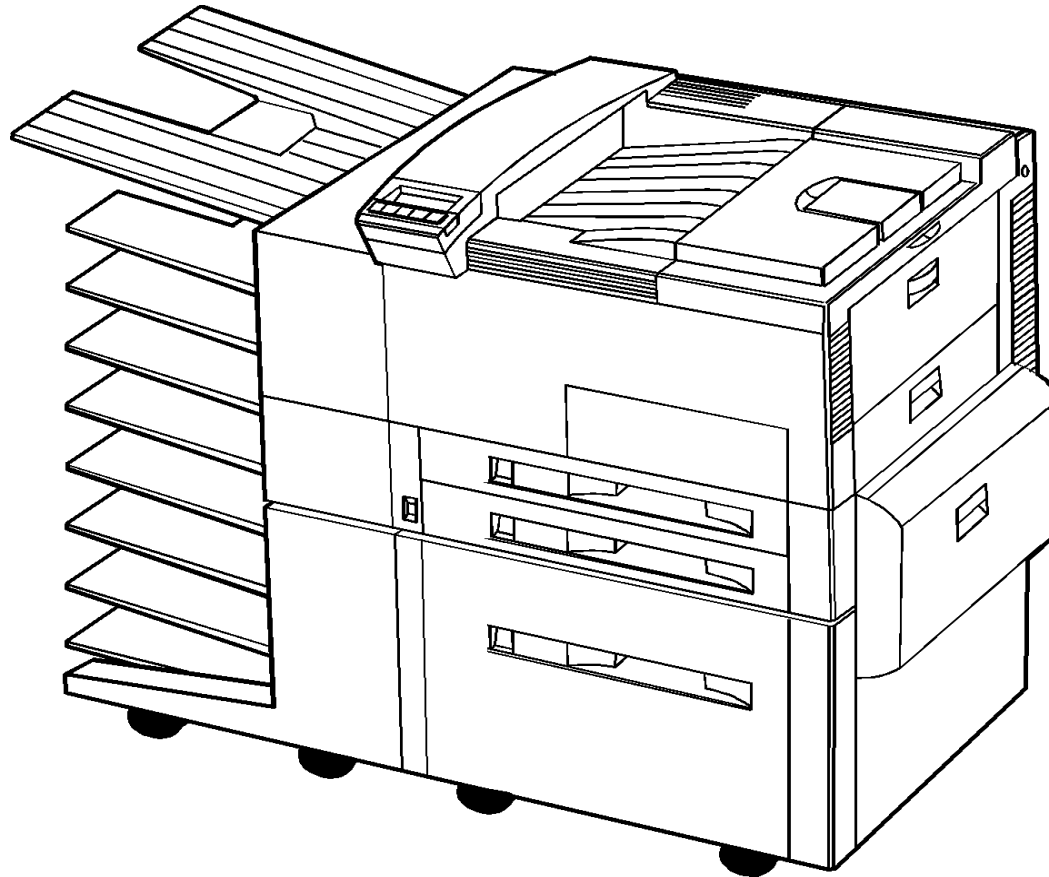

Hewlett Packard's

Job Monitoring Solution

for the

LaserJet 5Si Mopier

LaserJet 5Si Mopier



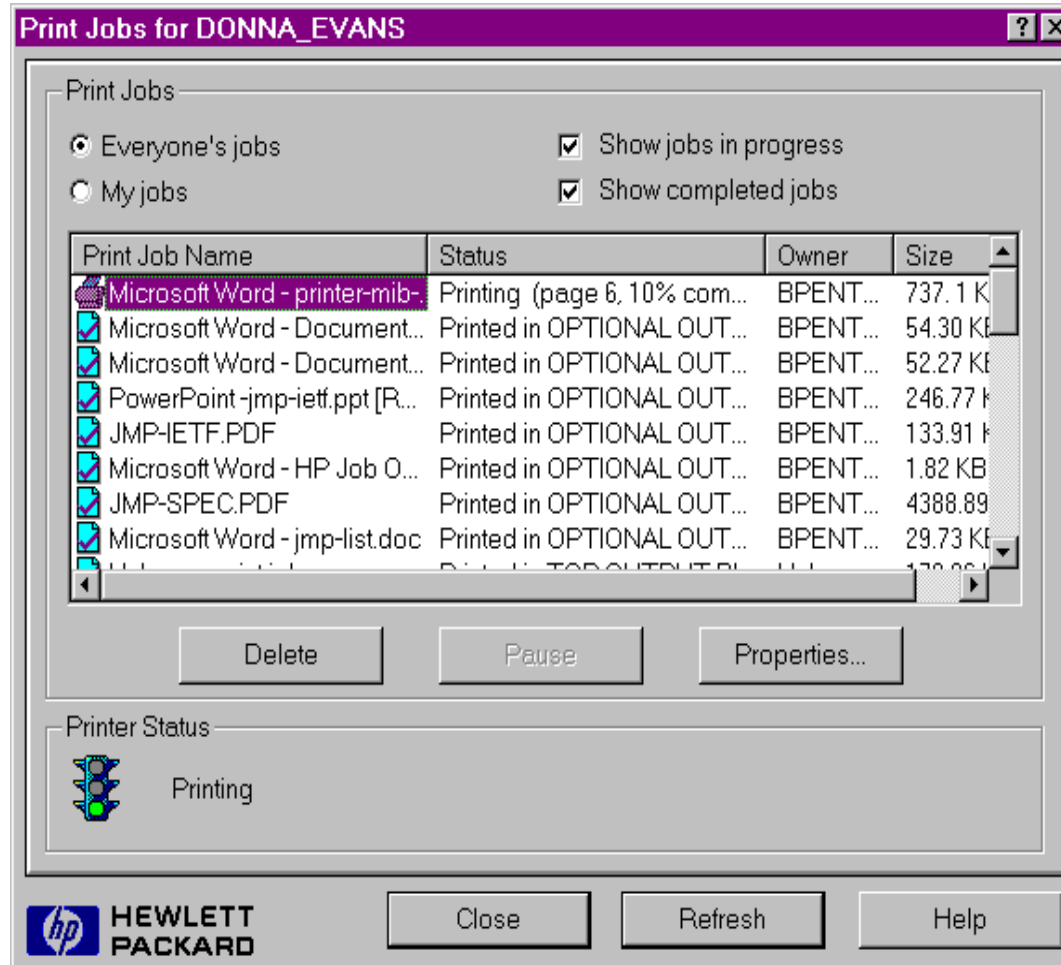
Purpose

- Provide information
- No specific requests at this time

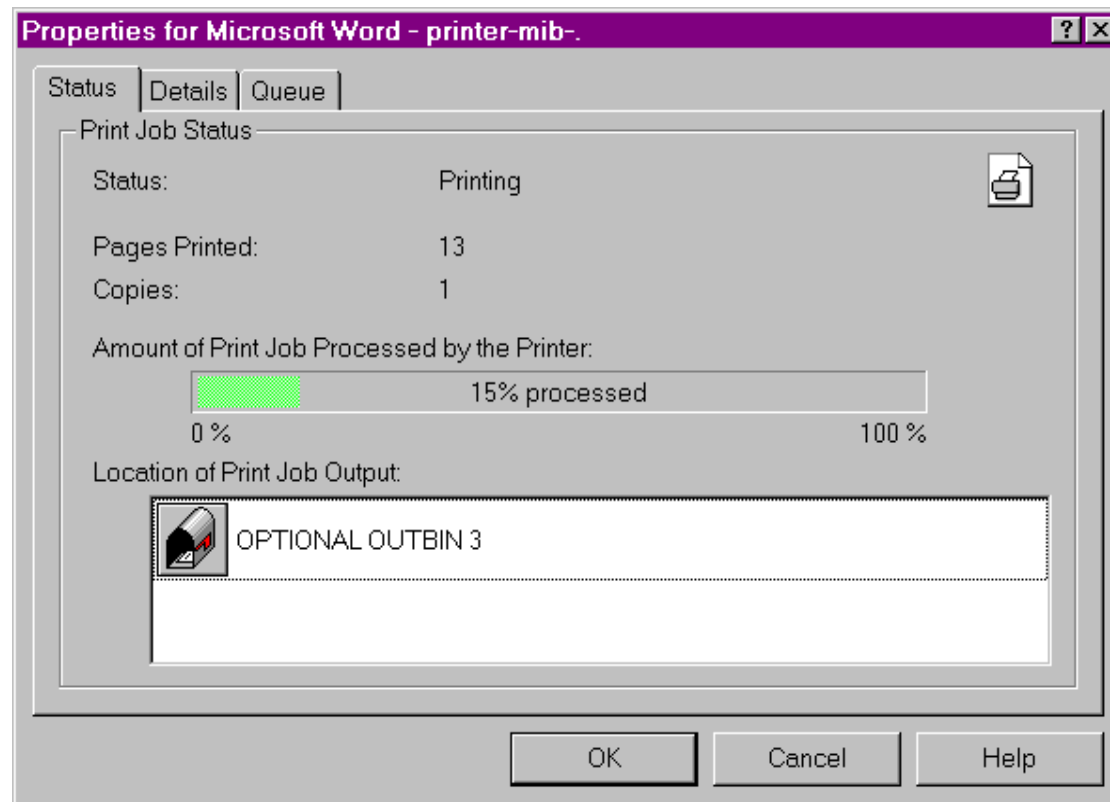
Job Monitoring Solution

- Client Software
- Proprietary Objects
- Job Attributes

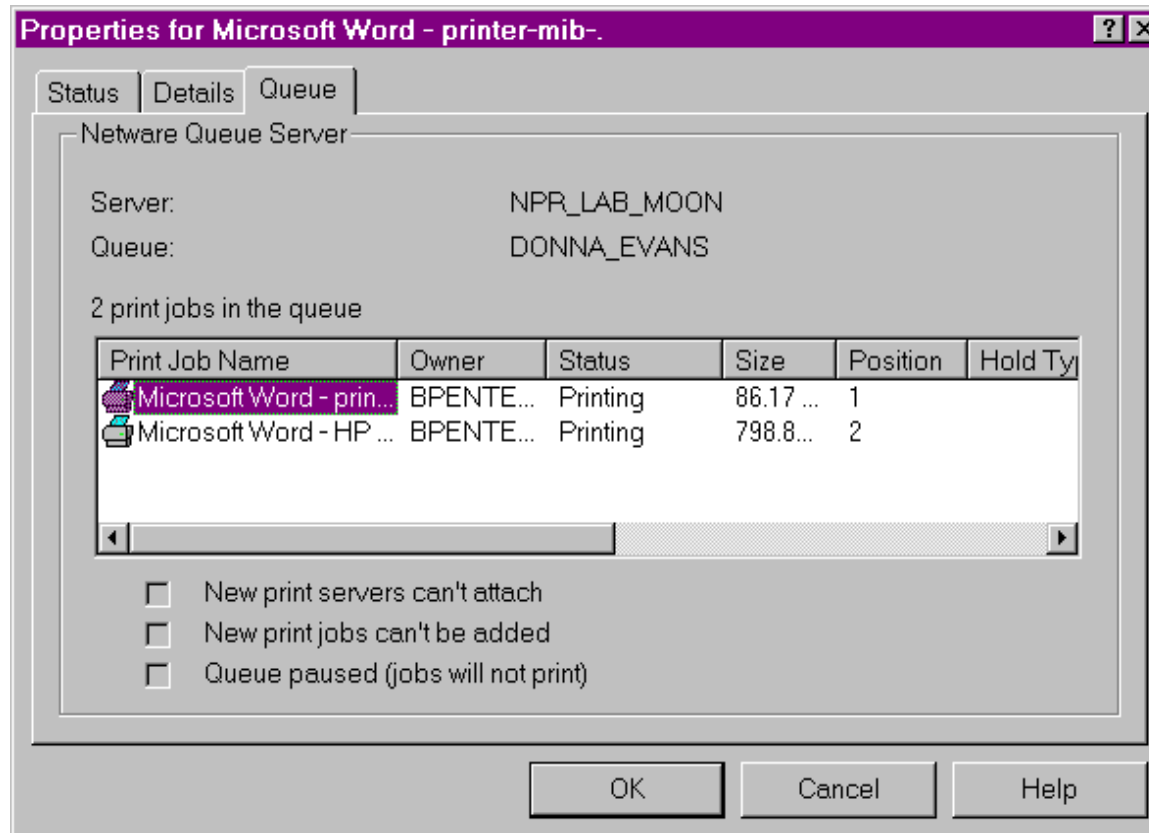
Job Monitor



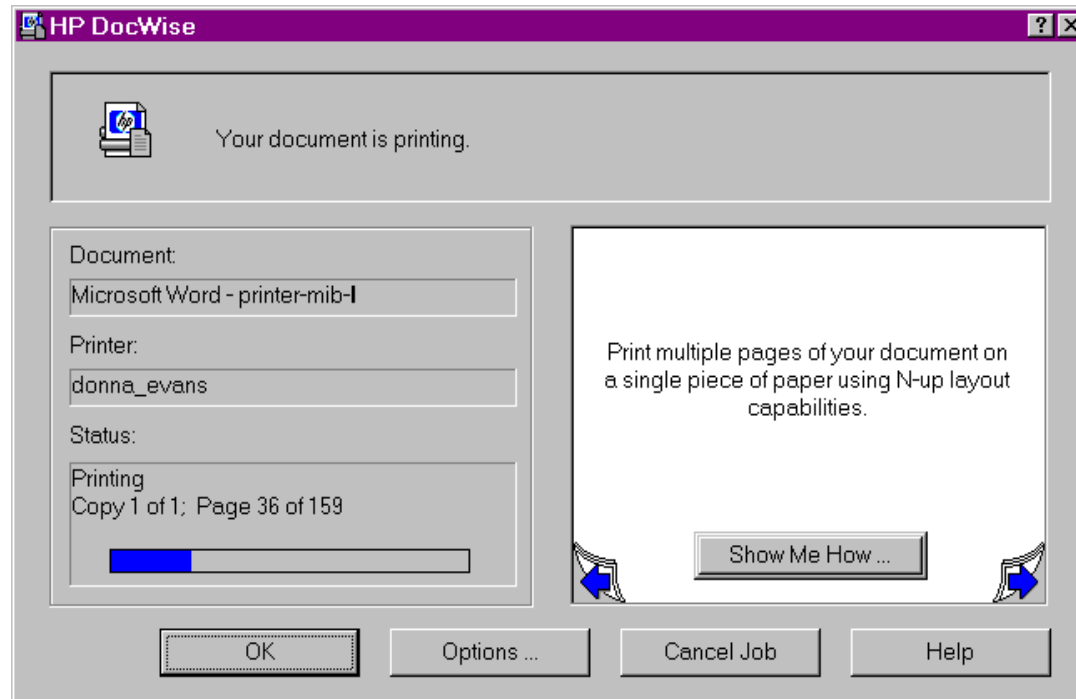
Job Monitor Status



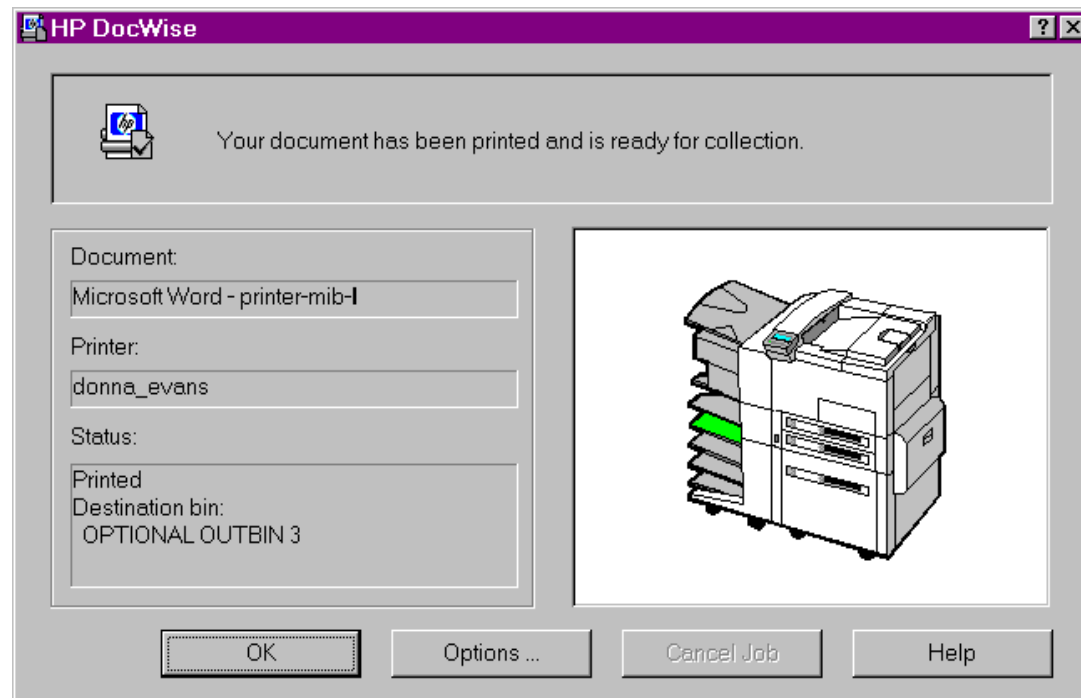
Job Monitor Queue



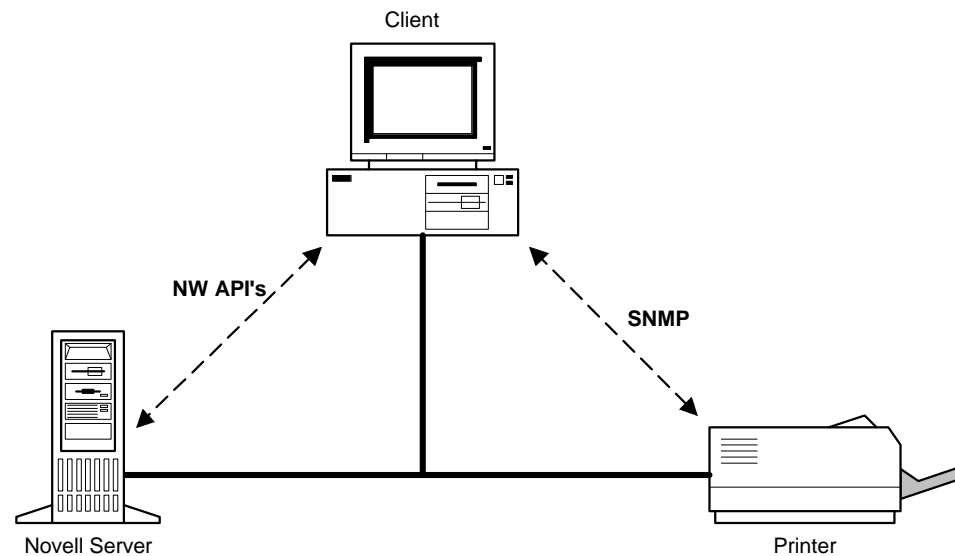
DocWise



DocWise



Printing System



Problem: When print job moves from Server to Printer, how does client software correlate print jobs to server jobs?

Object Comparison

<u>HP Object</u>	<u>Job MIB Object</u>
Single Instance CURRENT-JOB-PARSING-ID	None
Instance per Job JOB-INFO-NAME JOB-INFO-IO-SOURCE	jmJobName jmJobSourceChannel

Object Comparison

<u>HP Object</u>	<u>Job MIB Object</u>
JOB-INFO-STATE eAborted eWaitingForResources ePrinted eTerminating eCanceled eProcessing	jmJobCurrentState unknown pre-processing held pending processing paused interrupted terminating retained completed
JOB-INFO-OUTCOME eOk eWarningsEncountered eErrorsEncountered	jmJobStateReasons documents-needed job-hold-set job-print-after-specified required-resources-not-ready successful-completion completed-with-warnings completed-with-errors canceled-by-user canceled-by-operator aborted-by-system logfile-pending logfile-transferring

Object Comparison

HP Object

JOB-INFO-PAGES-PROCESSED

JOB-INFO-PAGES-PRINTED

JOB-INFO-SIZE

JOB-INFO-REQUESTED-ORIGINALS

JOB-INFO-PAGE-COUNT-CURRENT-ORIGINAL

JOB-INFO-PAGES-IN-ORIGINAL

JOB-INFO-PRINTED-ORIGINALS

JOB-INFO-OUTBINS-USED

JOB-INFO-PHYSICAL-OUTBINS-USED

Job MIB Object

None

jmResource (impressionsCompleted)

jmJobOctetsCompleted

jmResource (copiesRequested)

None

jmResource (sides)

jmResource (copiesProduced)

None

None

JOB-INFO Attribute Objects

- Objects return job specific information
- Information is added to the client's print job (PJL)
- Added by the despooling process, but could be added by Server or Client
- Printer returns attribute information in a series of objects

JOB-INFO Attribute Objects

<u>HP Attribute</u>	<u>Job MIB Object</u>
TimeSubmit	jmJobSubmissionTime
SourceIO*	None
"NetWare Qserver"	
"Unix"	
"AppleTalk"	
"OS/2"	
"WinNT"	
SourceServerName*	None
SourceQueue*	None
SourcePort	jmJobSourceChannel
JobID*	None
JobFileName	jmResource (documentName)
JobDescription	jmJobName
DocOwner	jmJobOwner
DocOwnerID	jmJobOwner
DocSize	jmJobTotalOctets

*Used to identify job on server