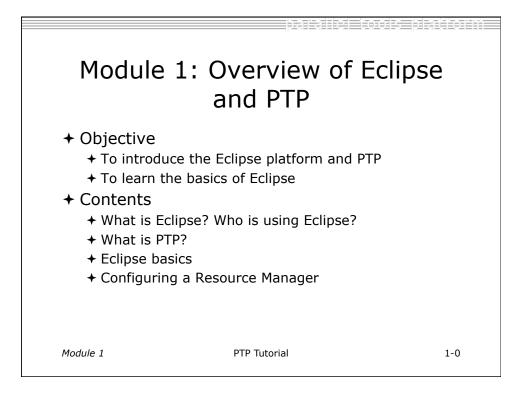
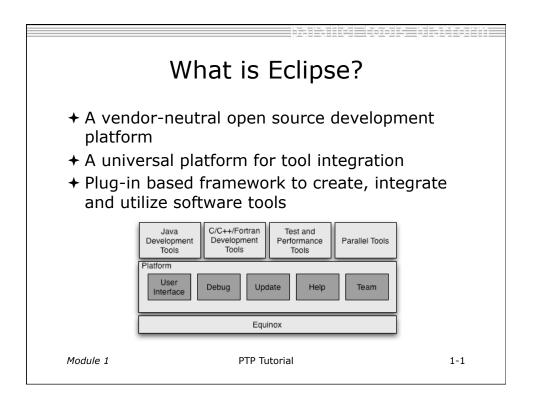
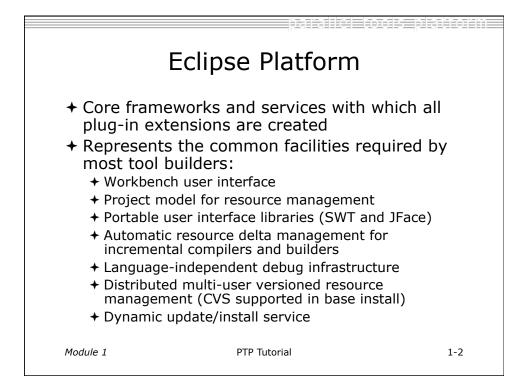
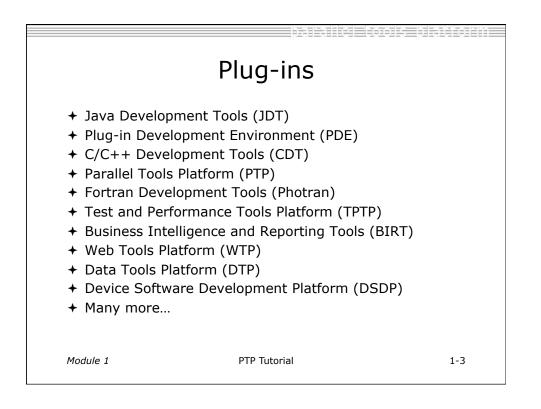


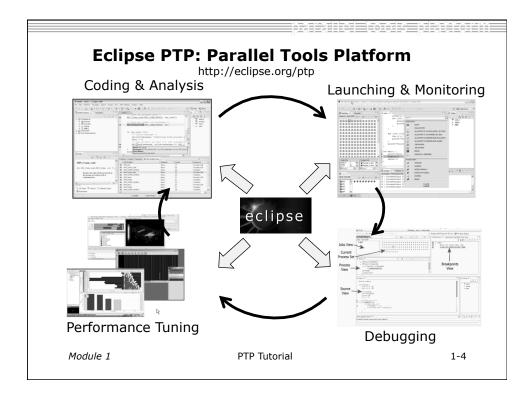
OSCON Open Source Convention JULY 21-25, 2008 Tutorial Outline						
Time	Module	Outcomes	Presenter			
8:30-9:30	1. Overview of Eclipse and PTP	 Introduction to PTP Eclipse basics Configuring Resource Managers & setup 	Greg			
9:30-10:00	2. Creating and Running MPI Programs	+PTP project creation +New project wizards +PTP Runtime Perspective	Beth			
10:00 - 10:30	Break					
10:30 - 10:55	3. Parallel Language Development Tools (PLDT)	+ MPI, OpenMP analysis features	Beth			
10:55- 11:25	4. Parallel Debugger	+ Debug Perspective, breakpoints, variables, stepping, etc.	Greg			
11:25 - 11:45	5. Advanced Eclipse and PTP features	+ CVS, Makefiles, autoconf, Search, Refactoring, UPC, Remote debugging, MPICH2, IBM PE & LoadLeveler	Greg			
11:45- 12:00	6. Other, Summary, Wrapup	+ Perf. Tools, website, mailing lists, future features, etc.	Beth			

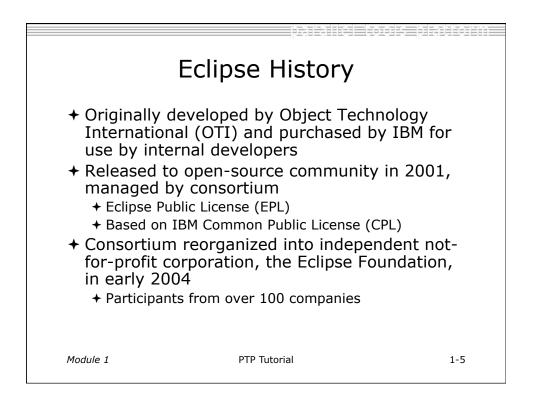


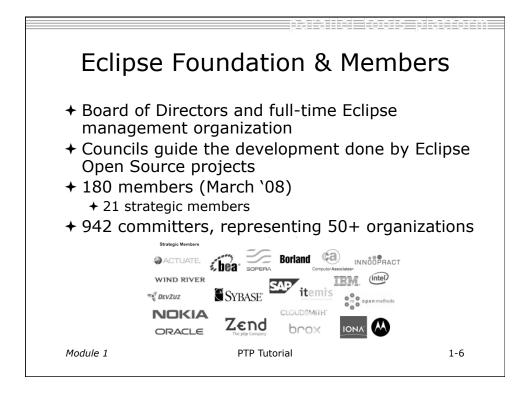




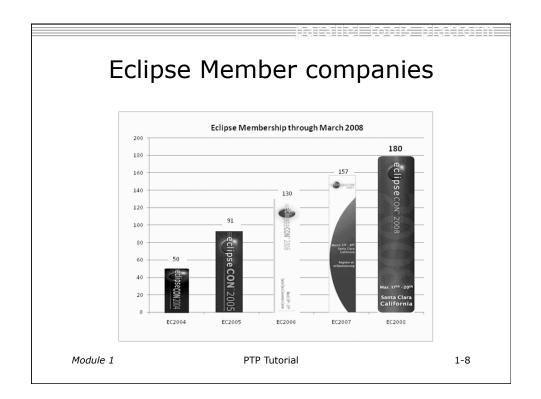


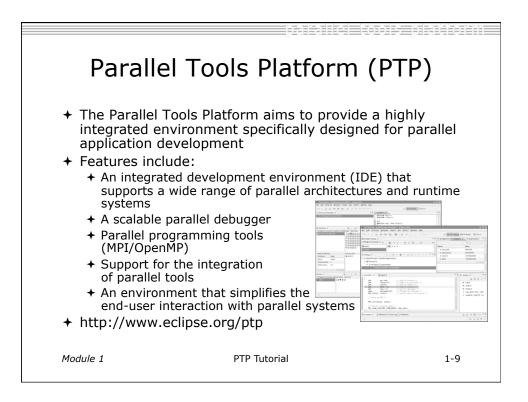


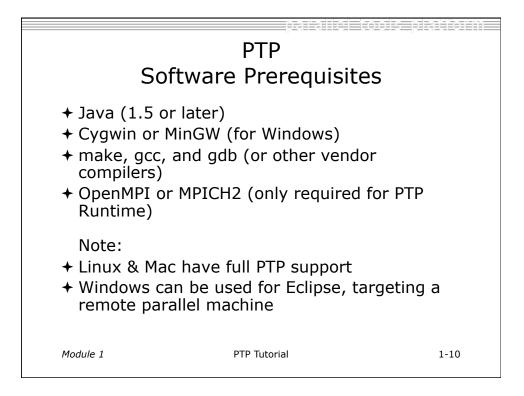


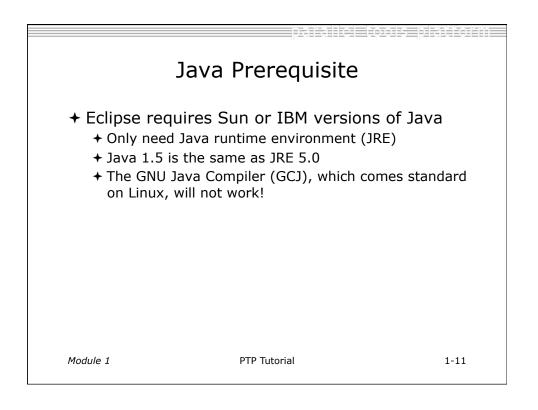


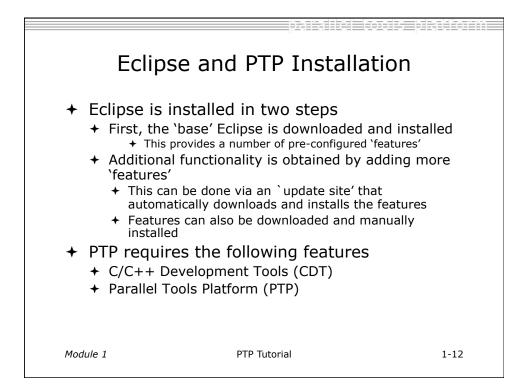
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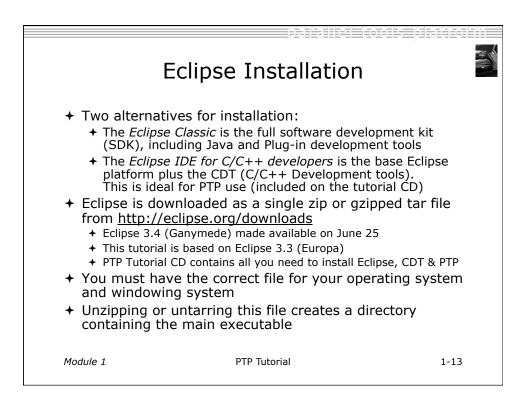


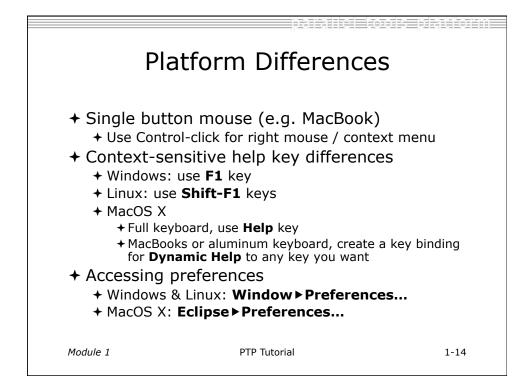


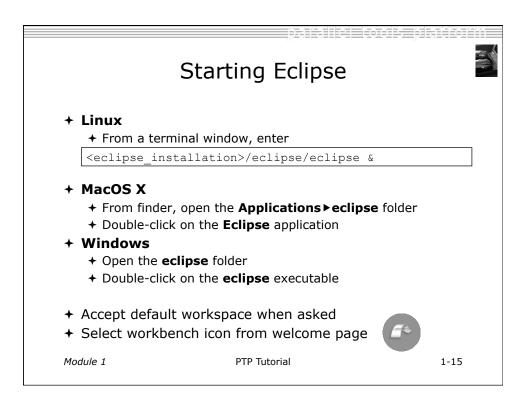


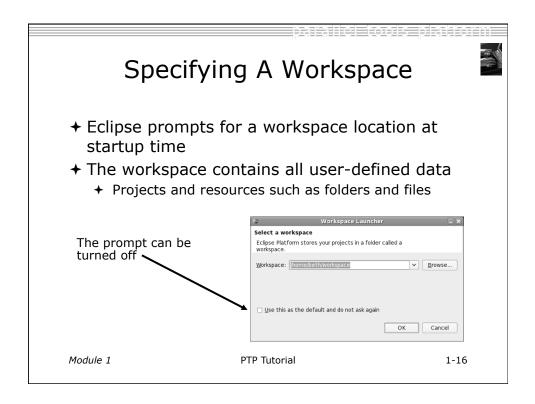


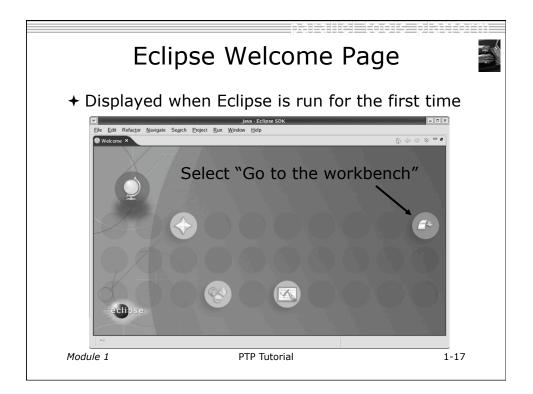


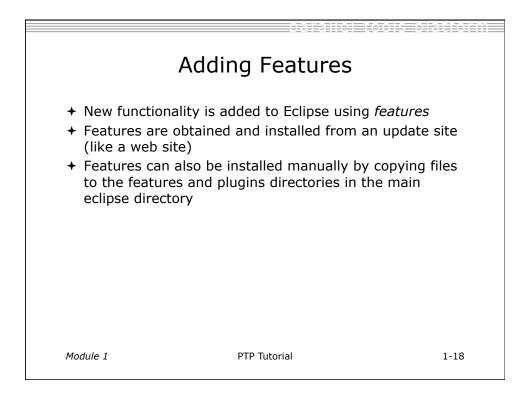


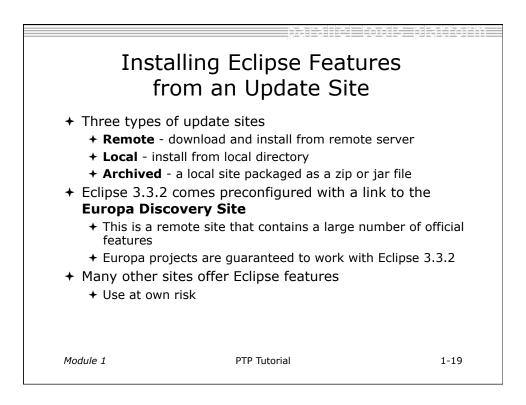


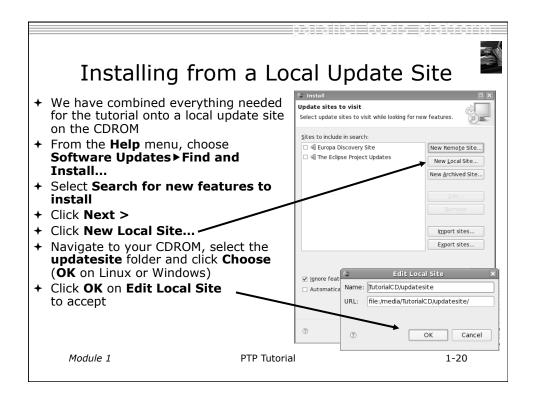


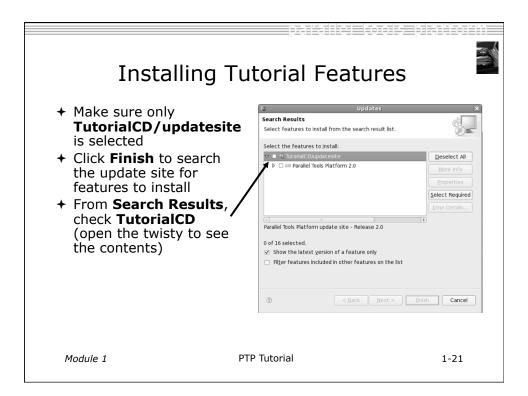


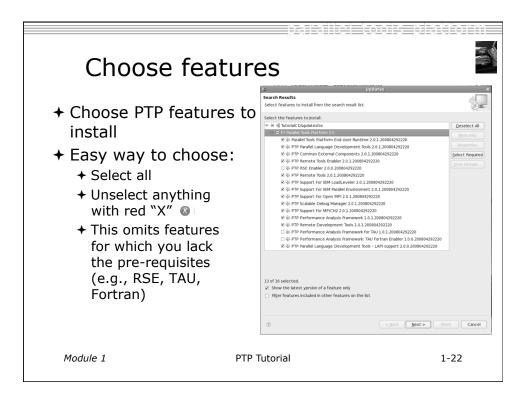


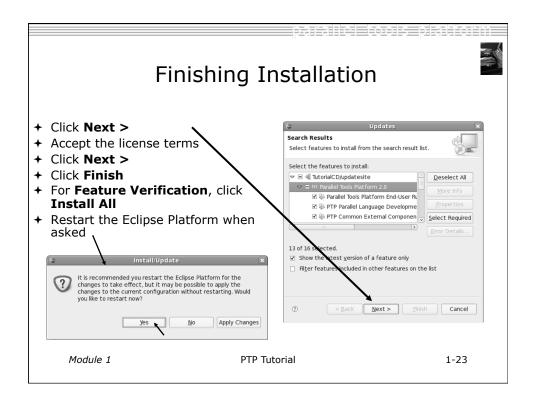


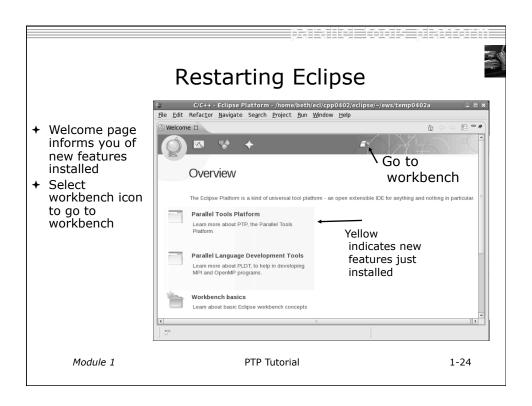


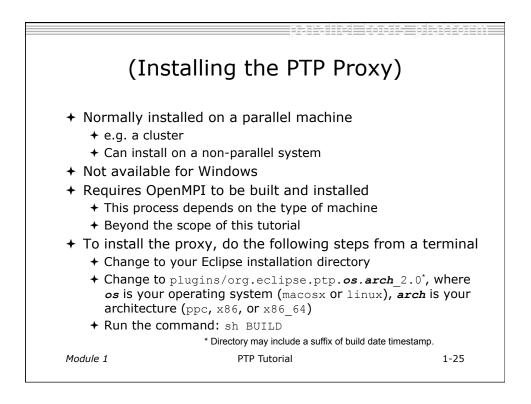


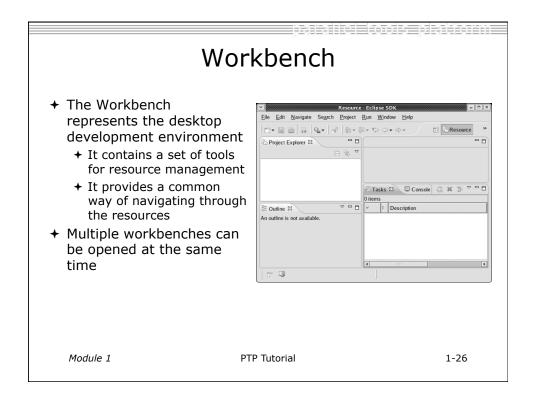


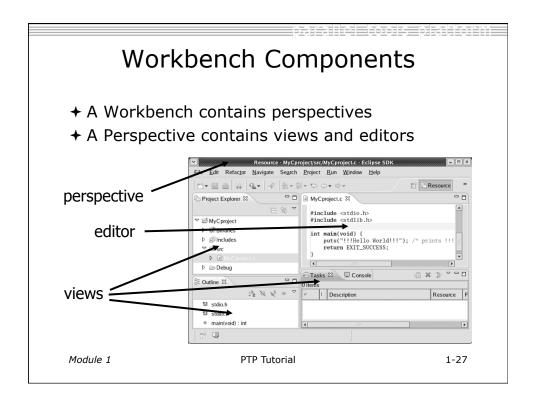


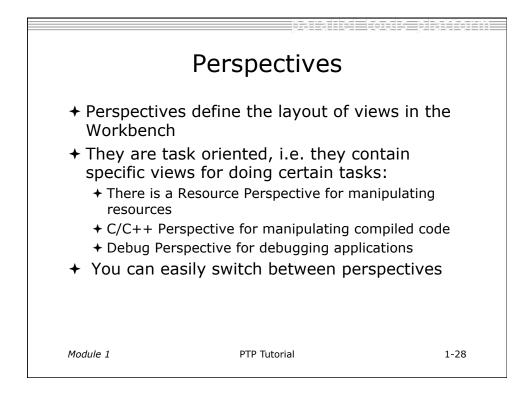


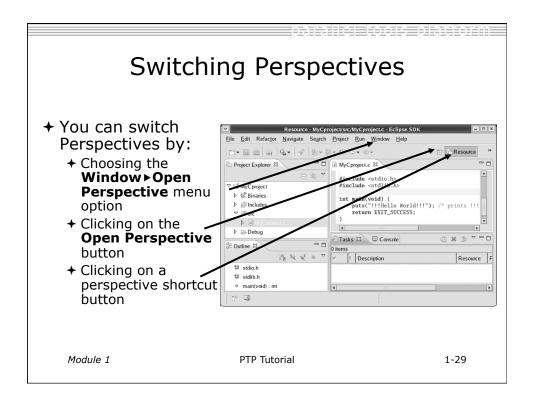


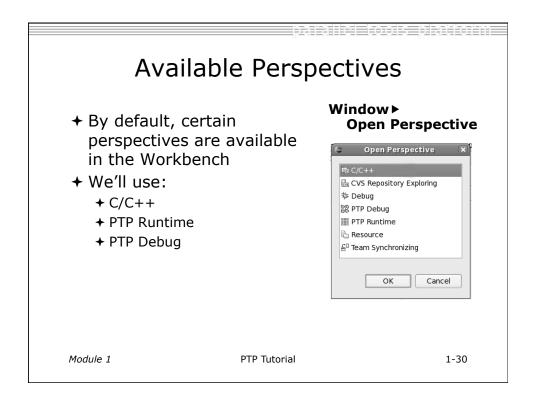


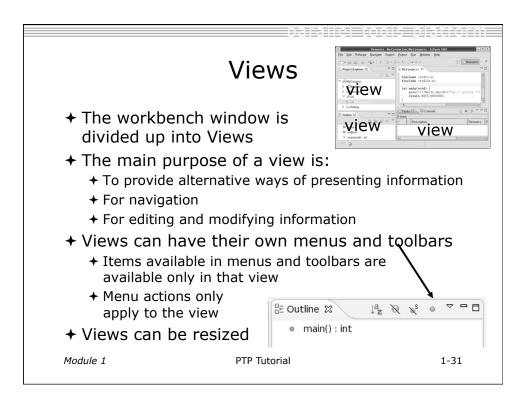


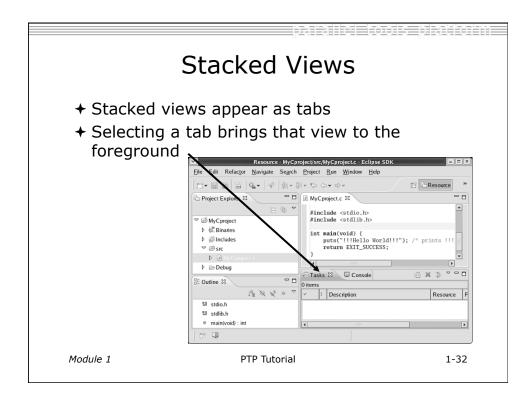


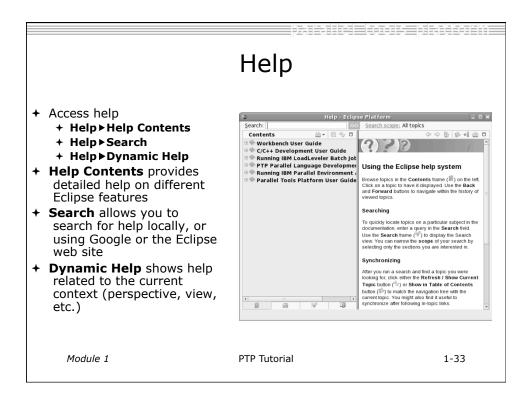




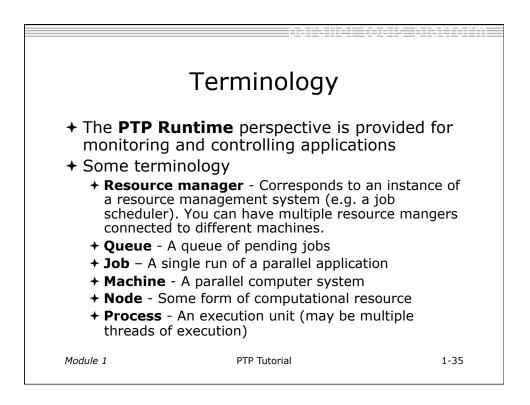


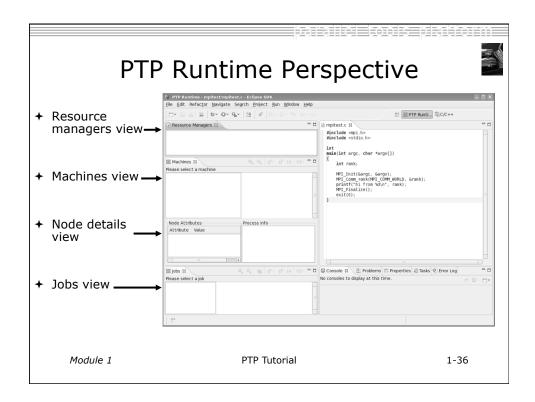


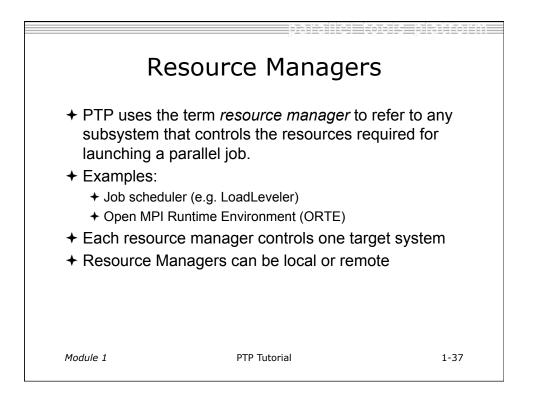


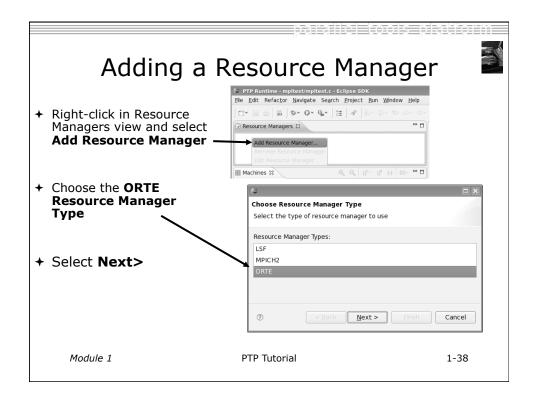


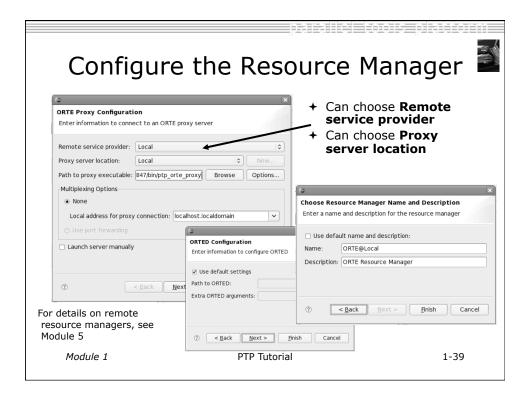
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Module 1	PTP Tutorial	1-34

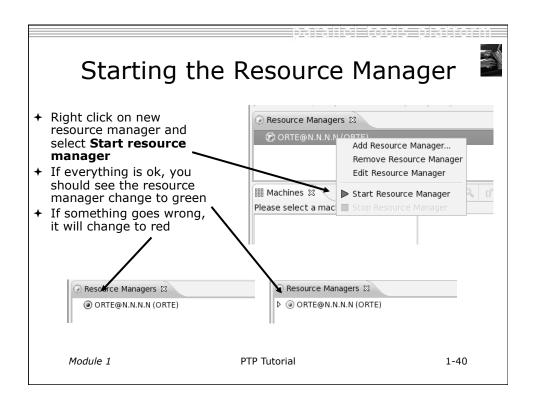


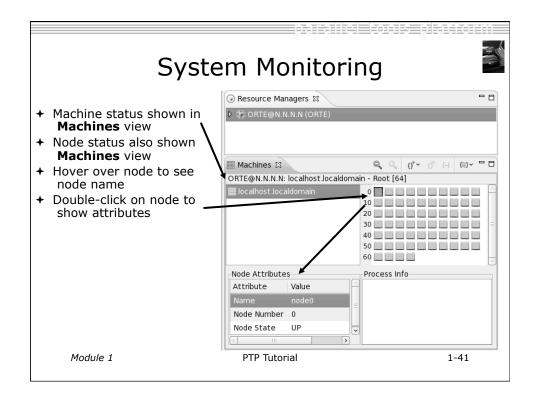


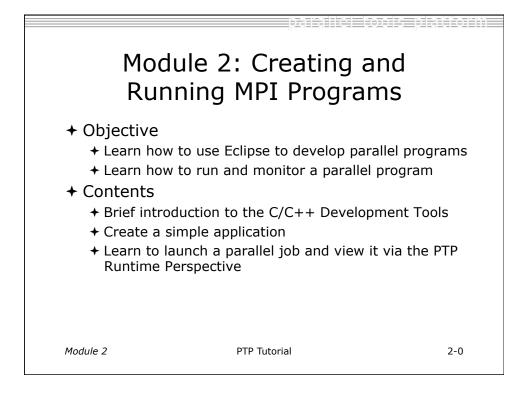


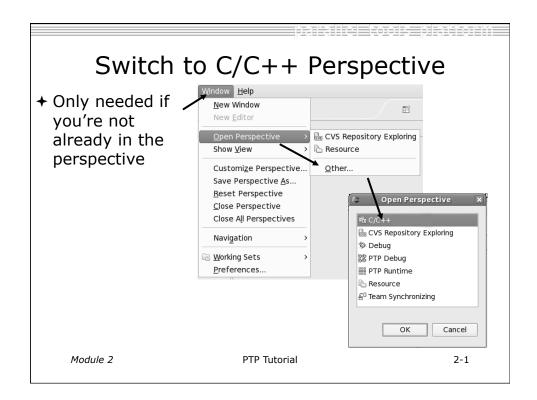


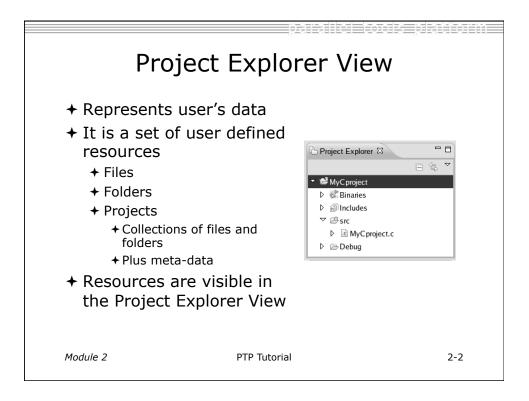


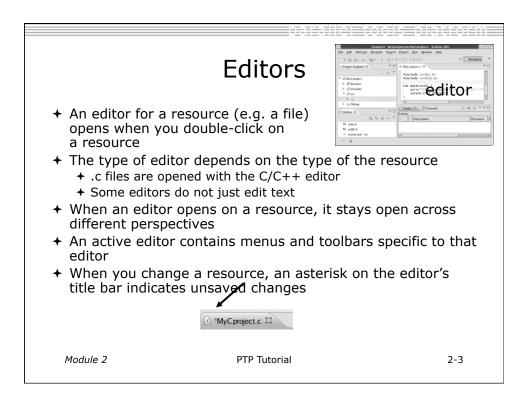


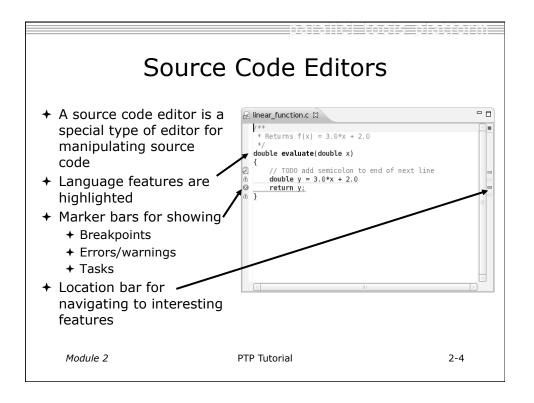


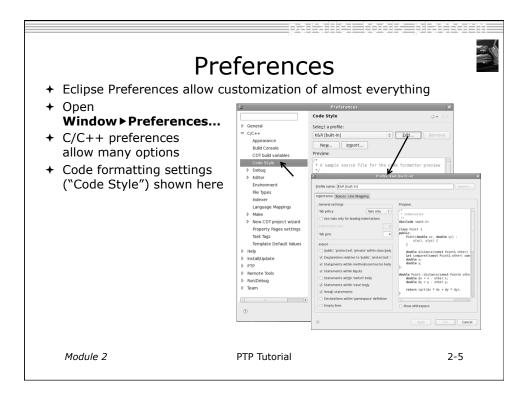


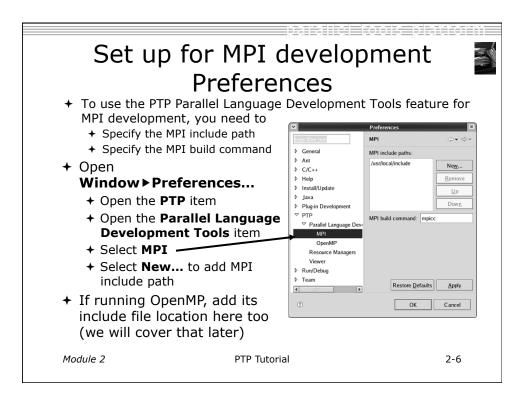


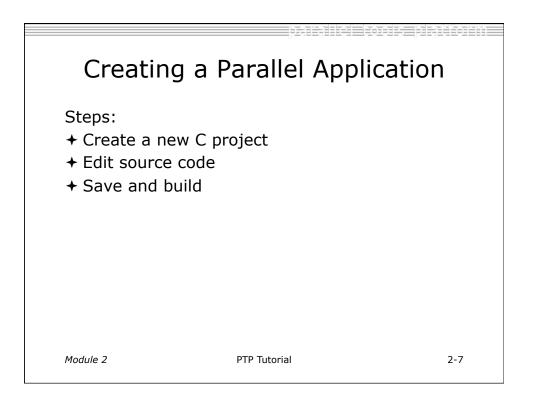


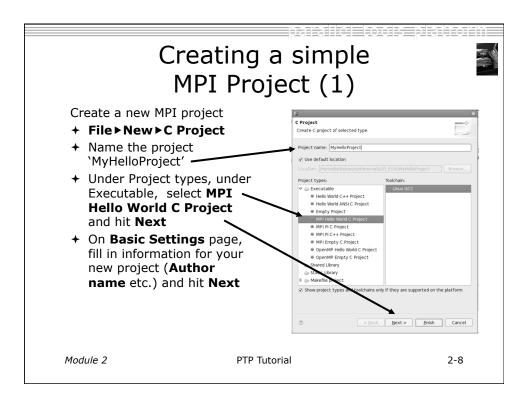


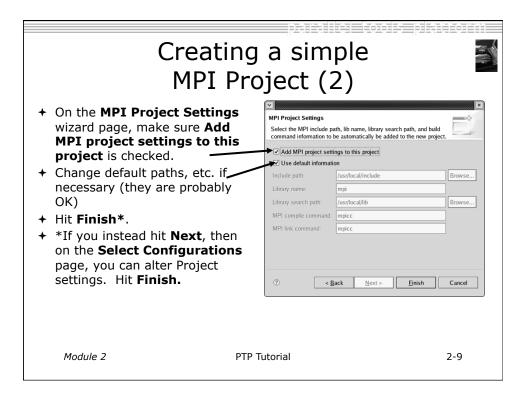


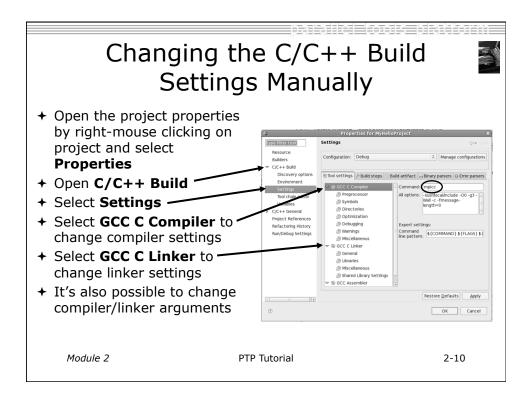


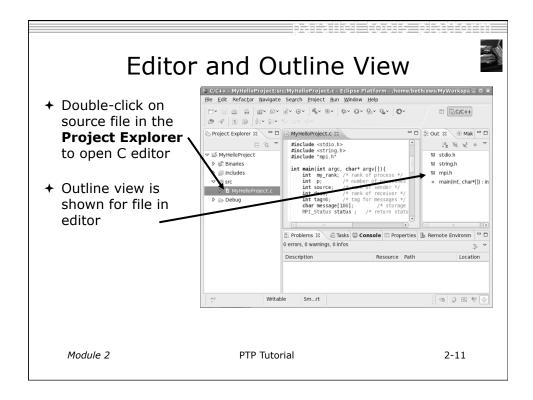


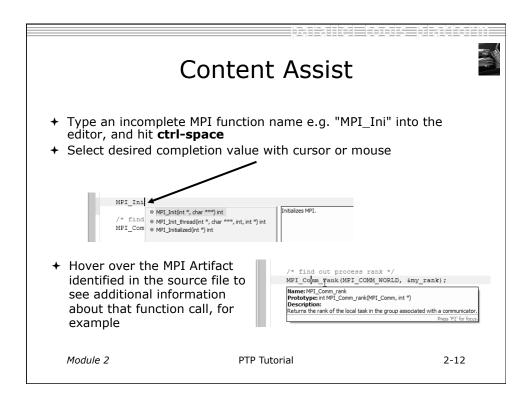


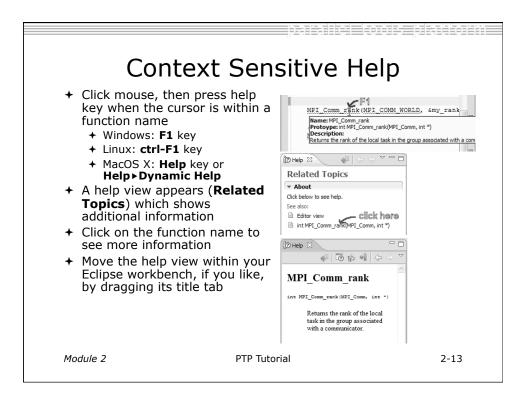


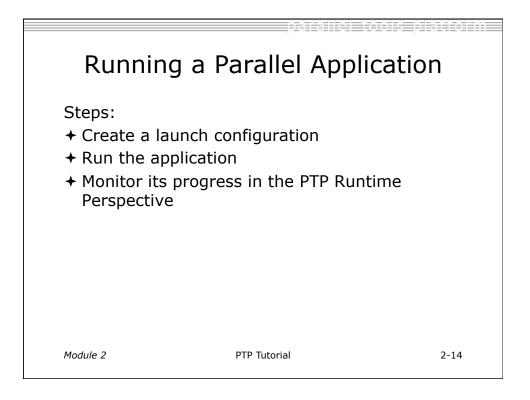


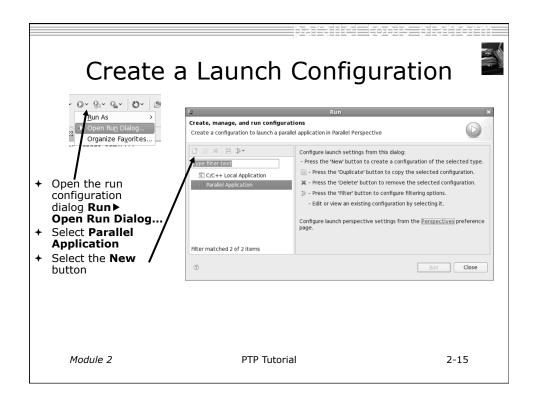


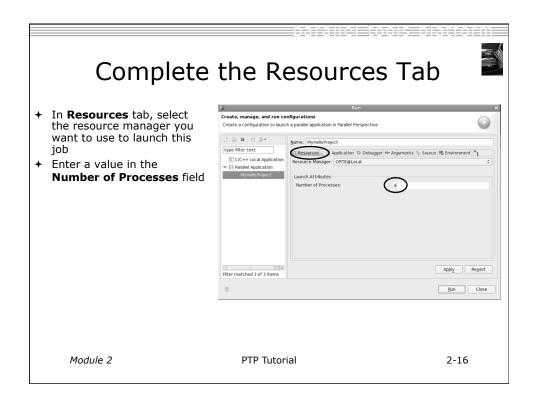


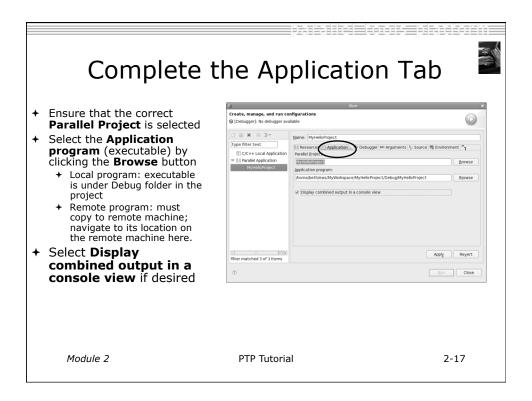


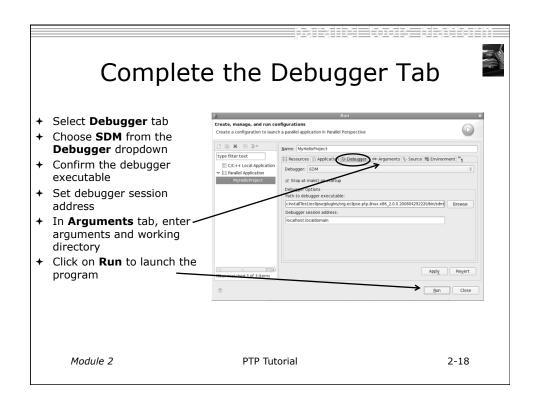


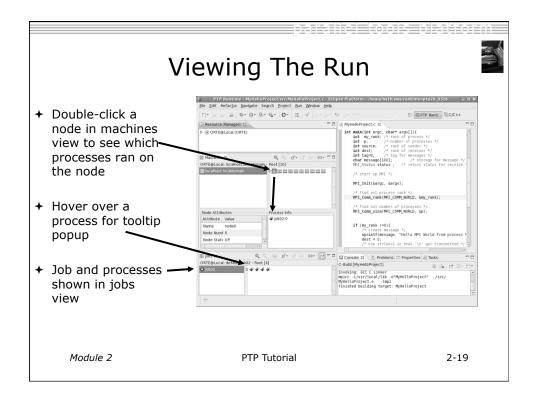


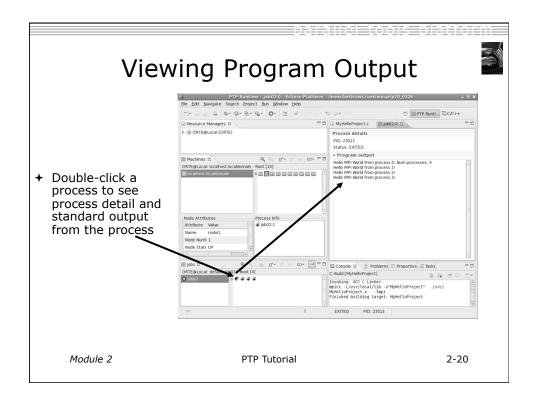




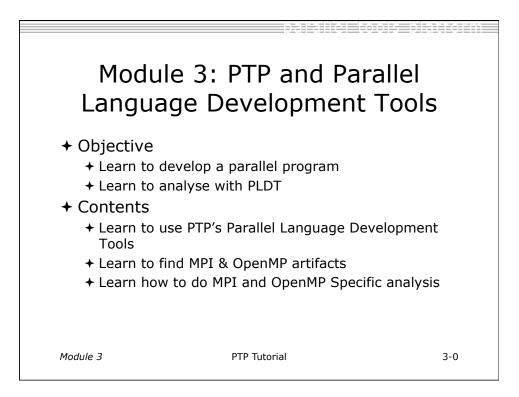


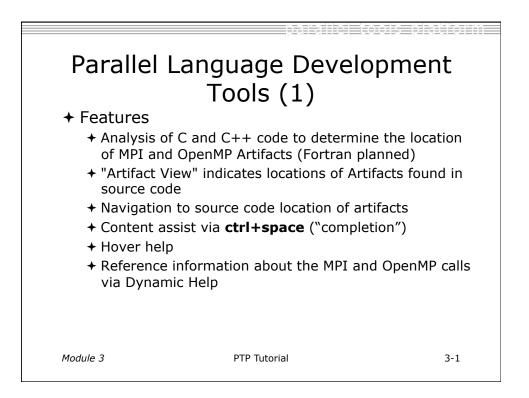


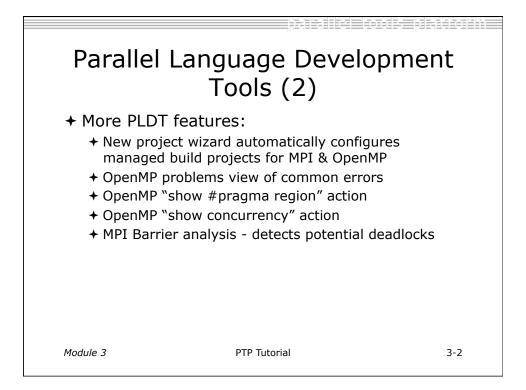


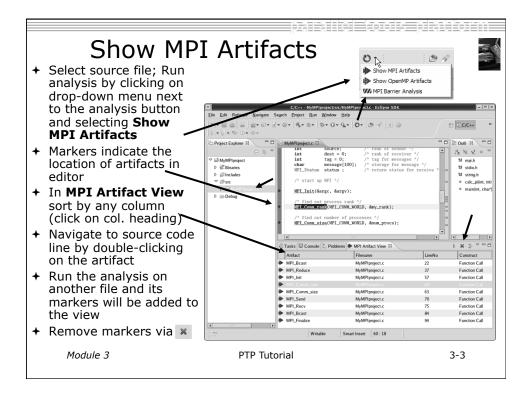


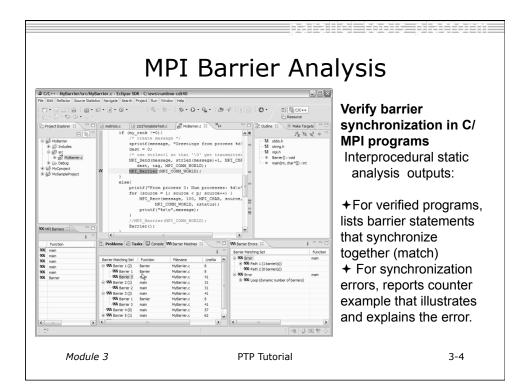
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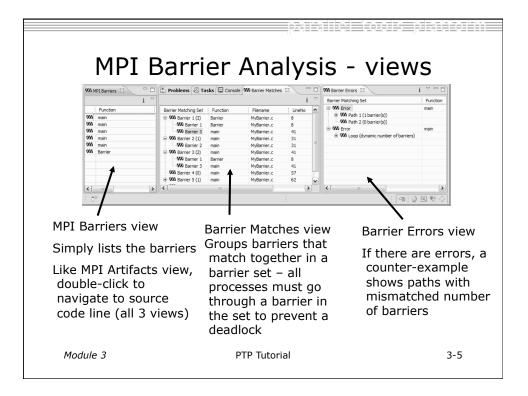


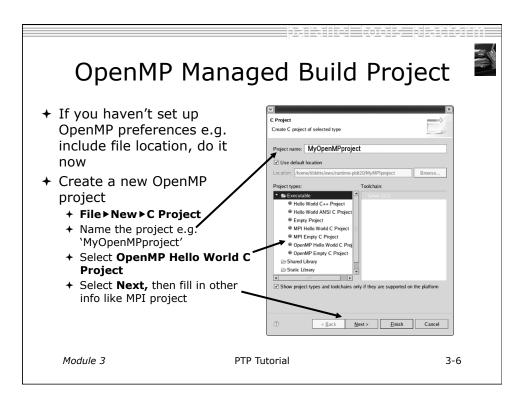


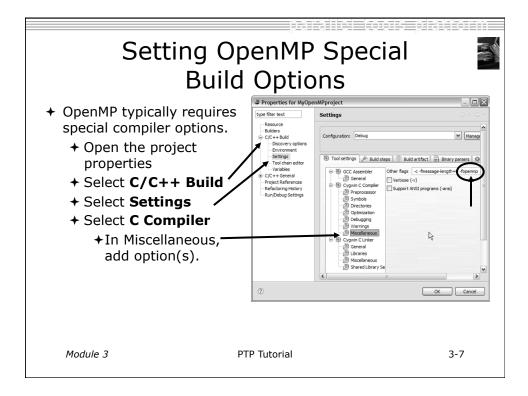


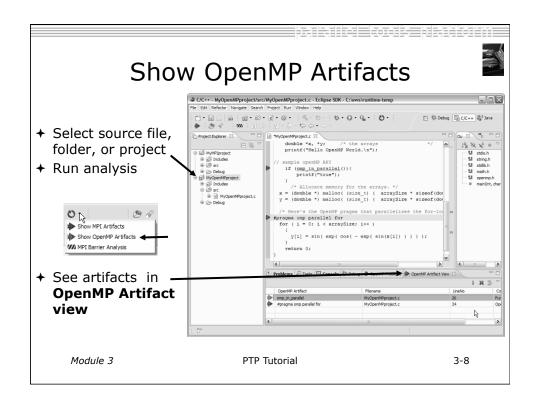


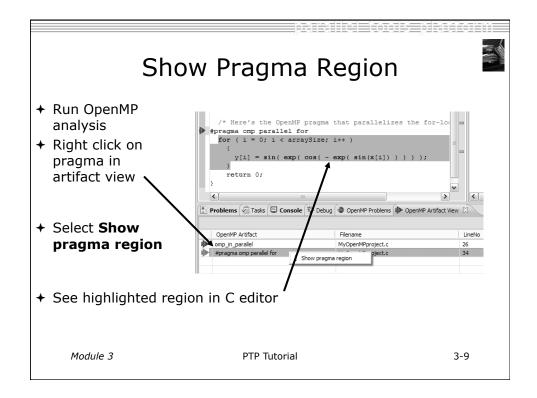


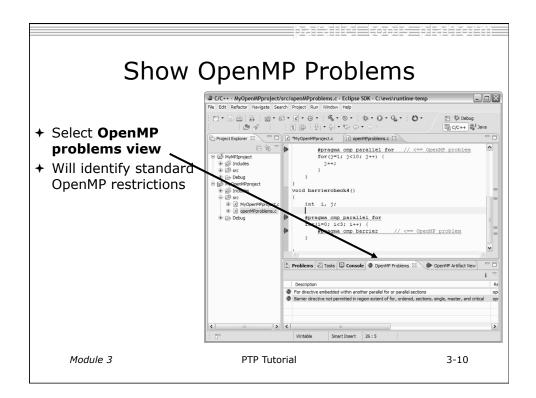


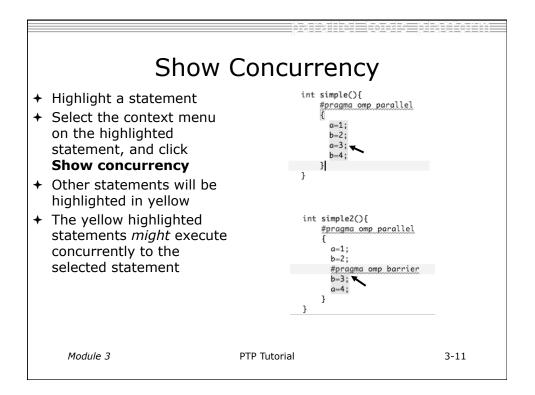


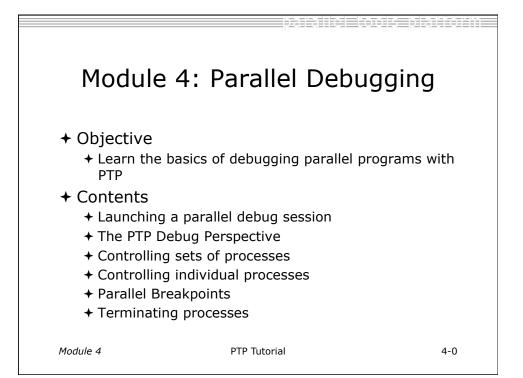


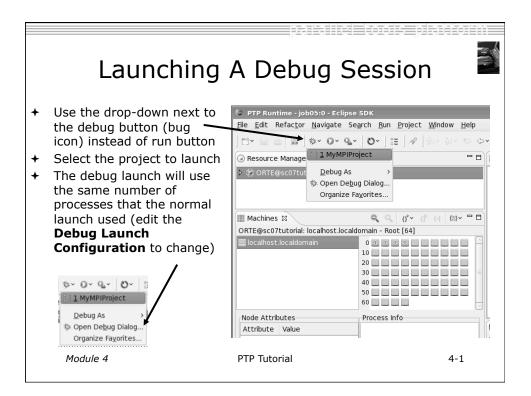


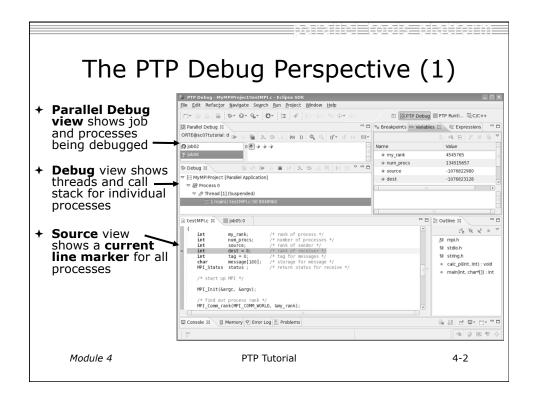


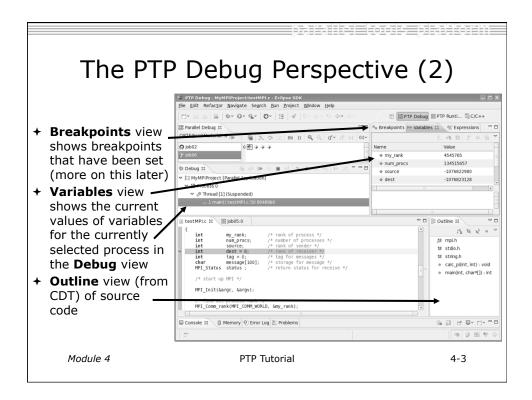


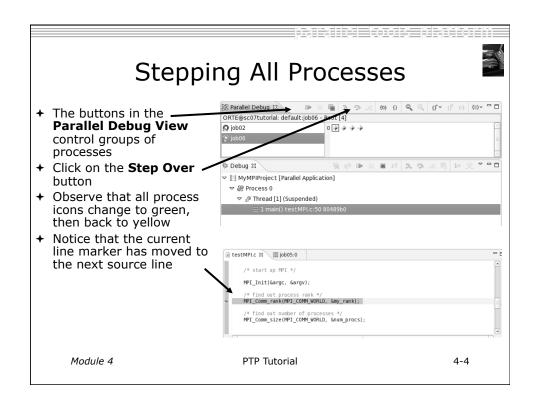


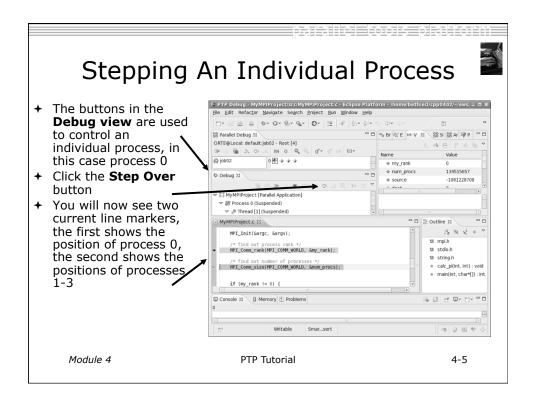


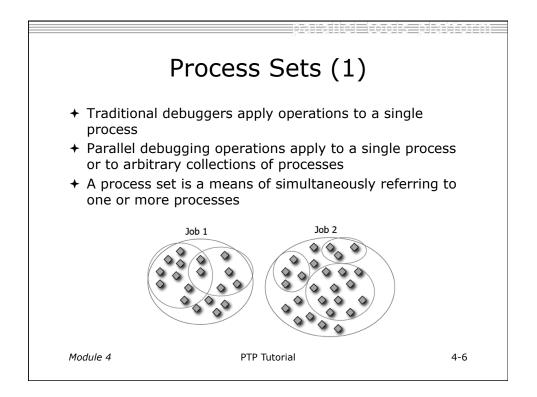


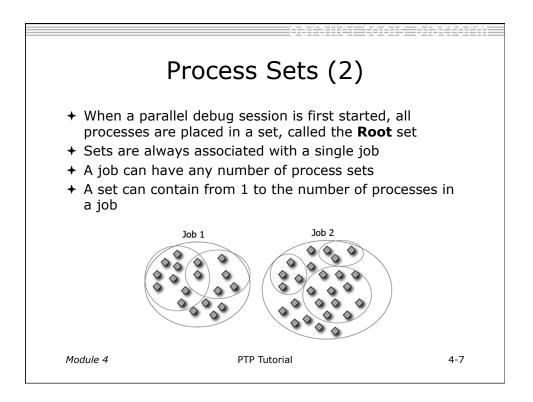


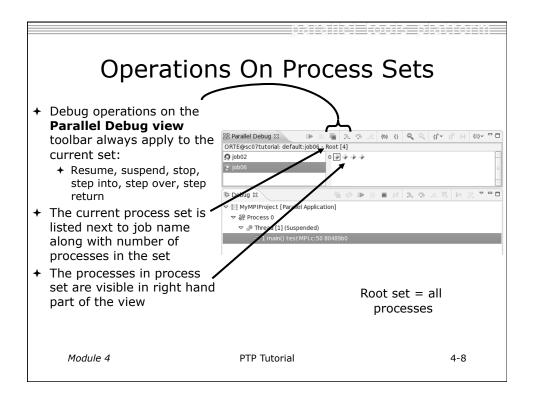


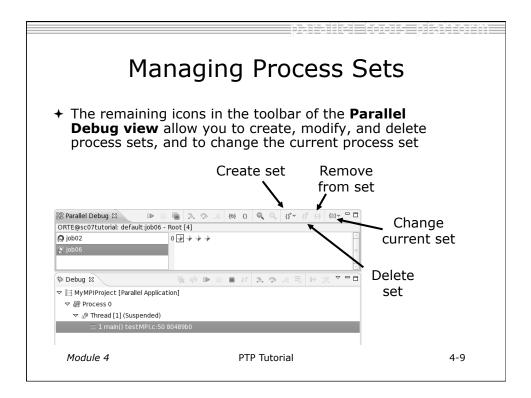


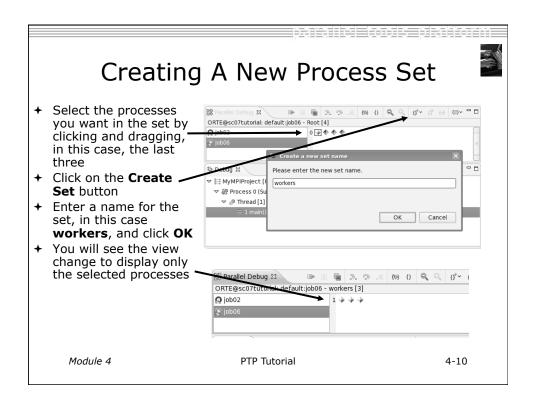


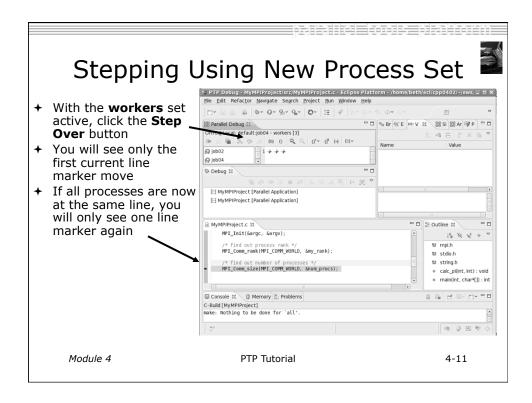


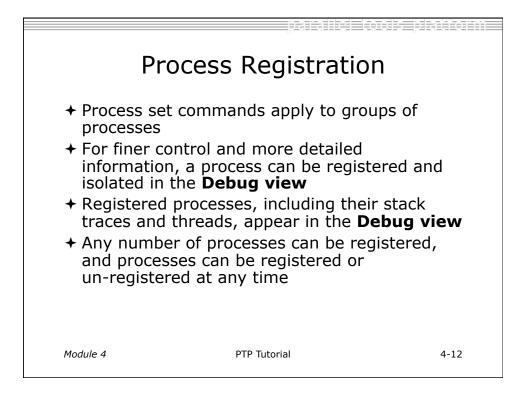


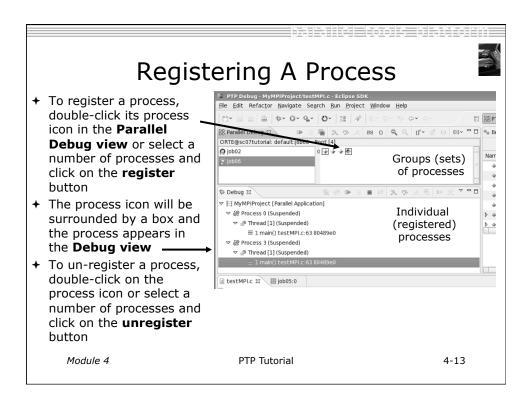


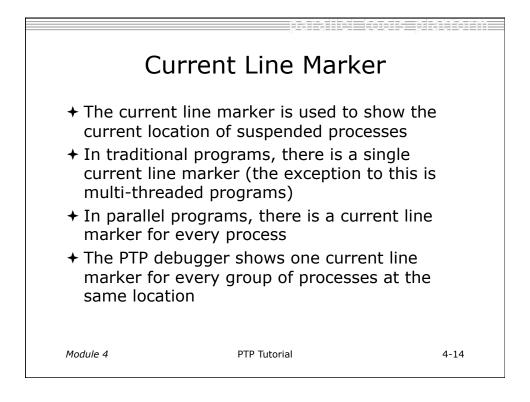


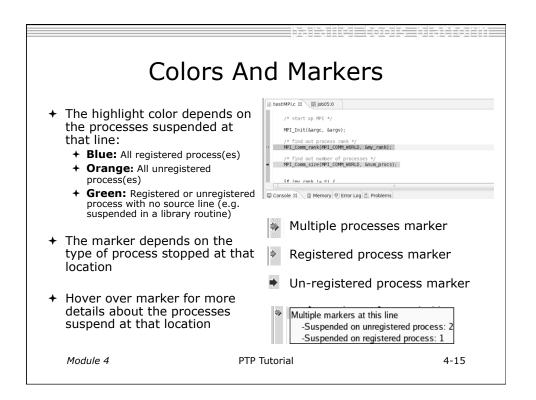


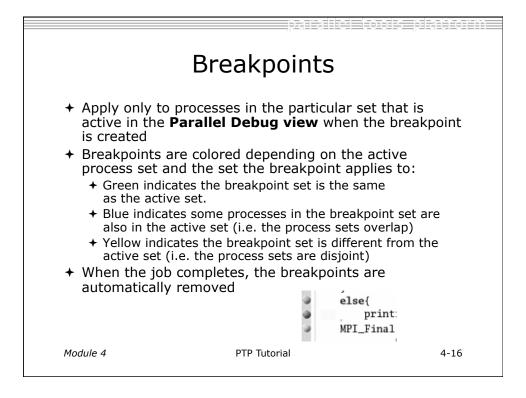


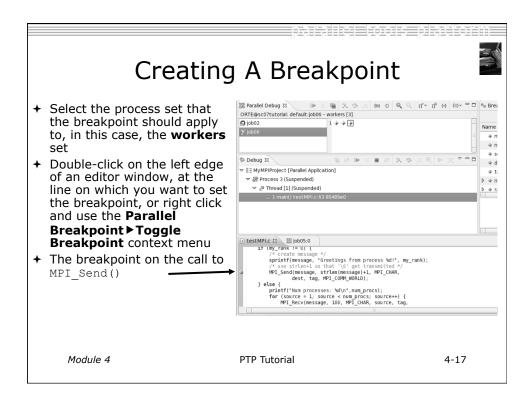


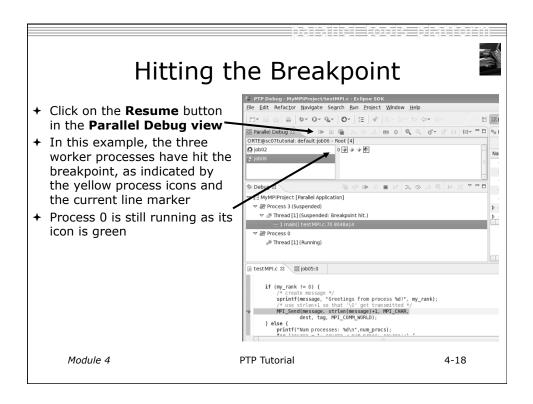




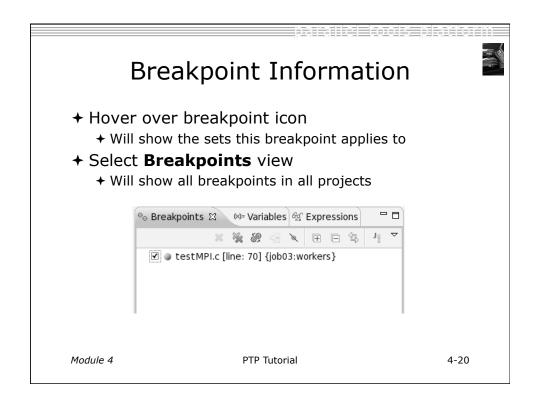


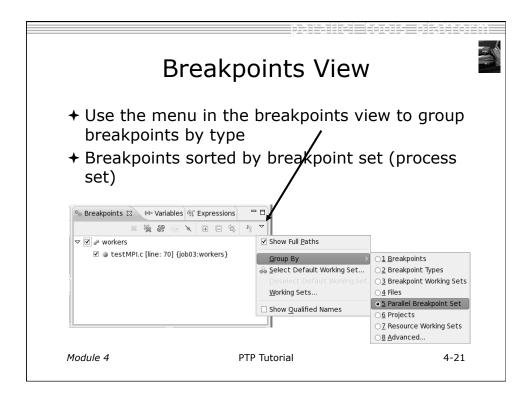


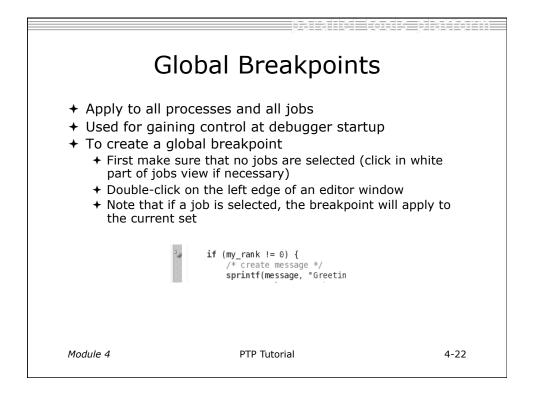




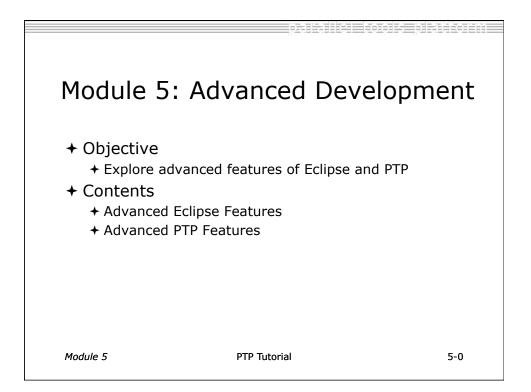
More On Stepping						
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 Switch to the set of suspended processes (the workers set) You will now see the Step buttons become enabled 	PTP Debug - MyMPIP/Poject/testMPLc - Eclipse SDK Ele Edit Refactor Navigate Search Bun Project Window Help □** □ <th></th> <th></th>					
Module 4	PTP Tutorial	4-19				

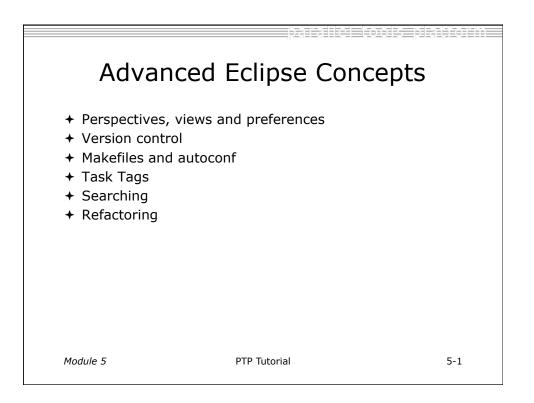


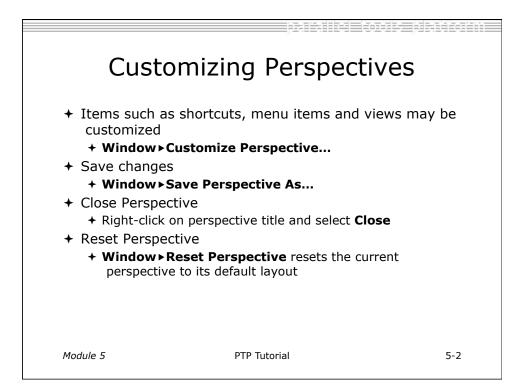


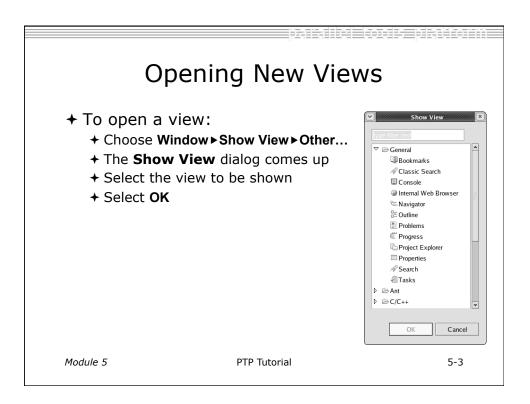


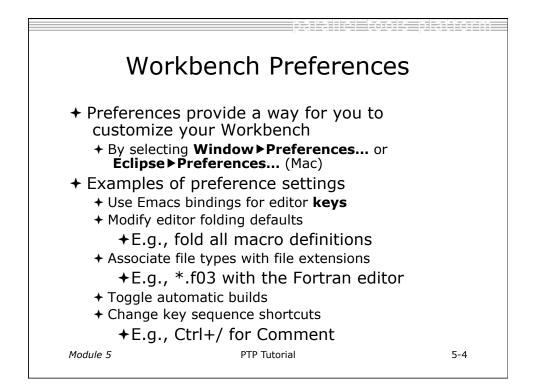
Terminati	ing A Debug Session
 Click on the Terminate icon in the Parallel — Debug view to terminate all processes in the active set Make sure the Root set is active if you want to terminate all processes 	PTP Dobug - MyMPIProject/testMPLc - Eclipse SDK File Edit Refactor Navigate Search Run Project Window Help Correased and Analytic Search Run Project (Parallel Application)
+ You can also use the terminate icon in the Debug view to	Parallel Debug 33 ORTE@scOTtutorial: default; job06 - Root [4] Opb06 Piblo 2 ORTE@scOTtutorial: default; job06 - Root [4] Piblo 2 Piblo 2 </td

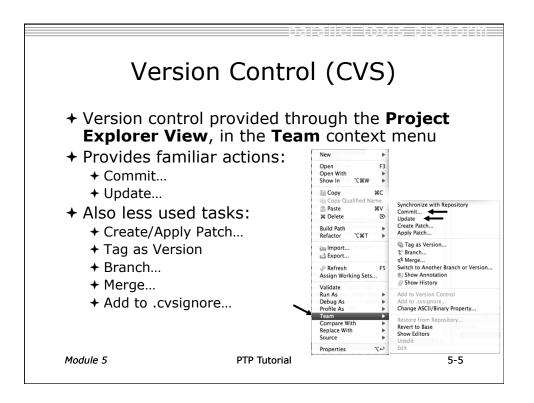


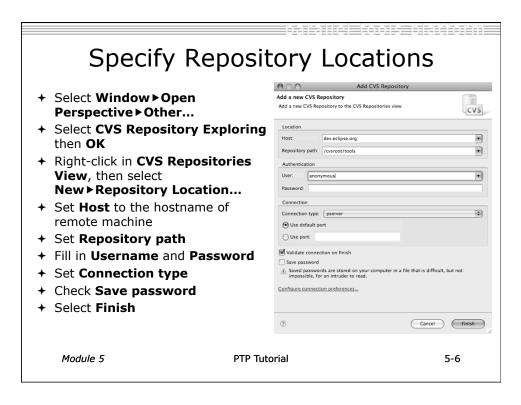


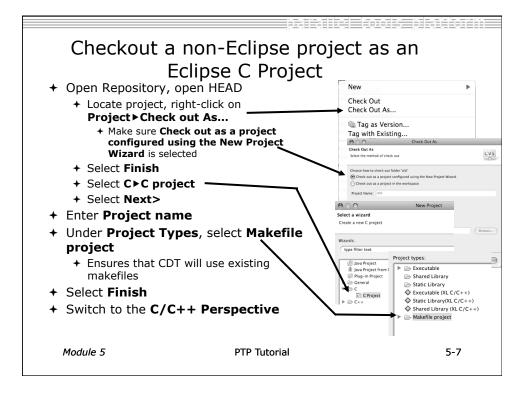


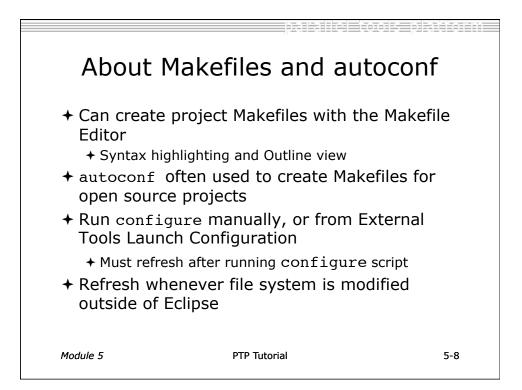


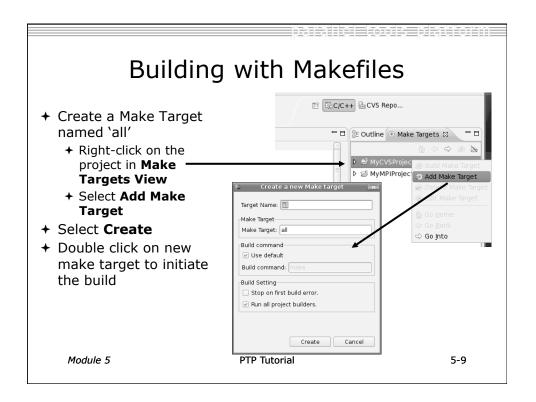


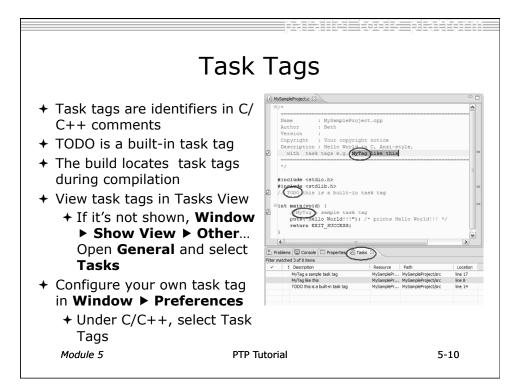


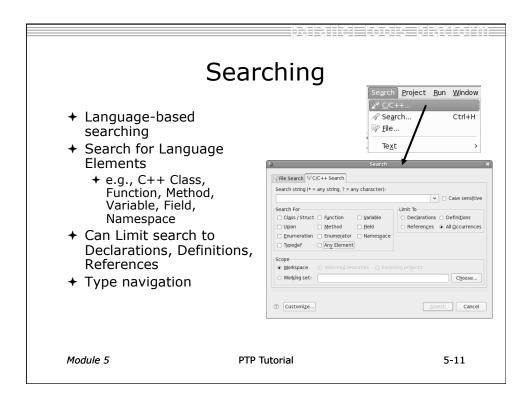


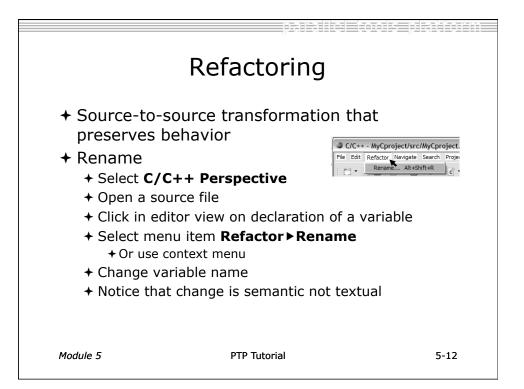


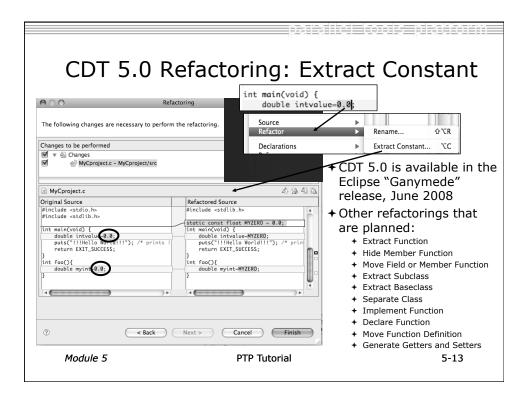


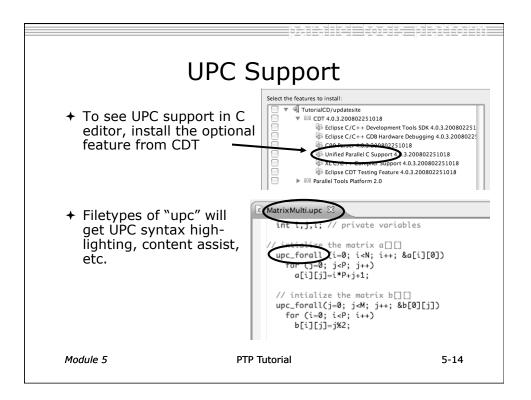


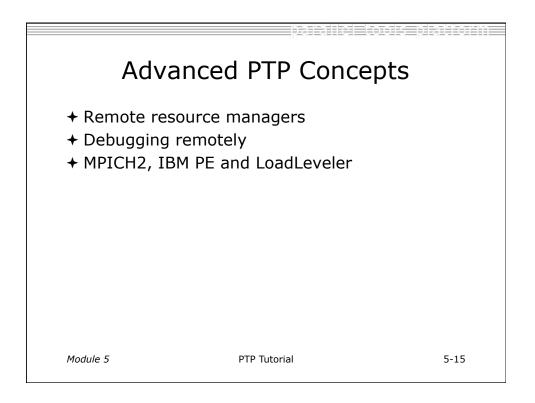


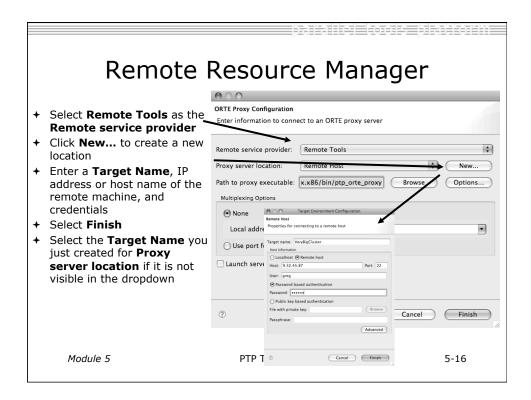


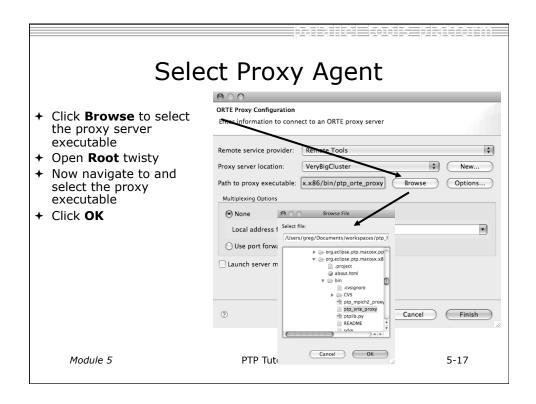




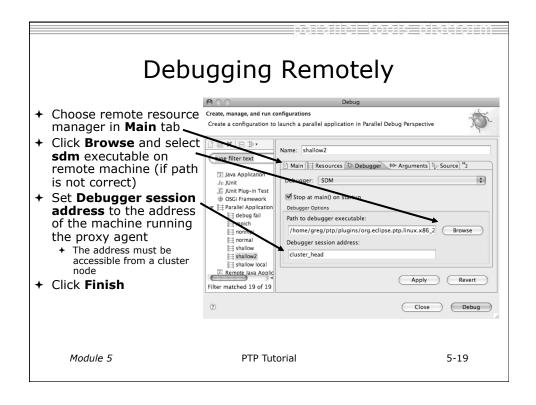


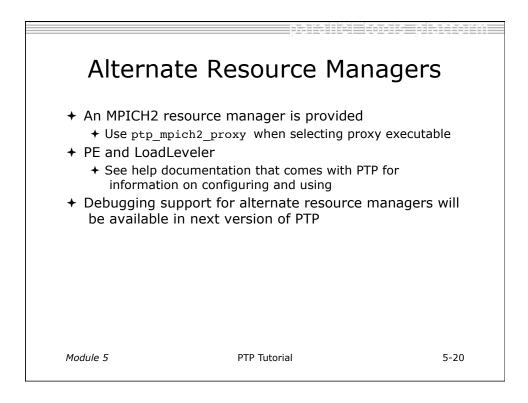


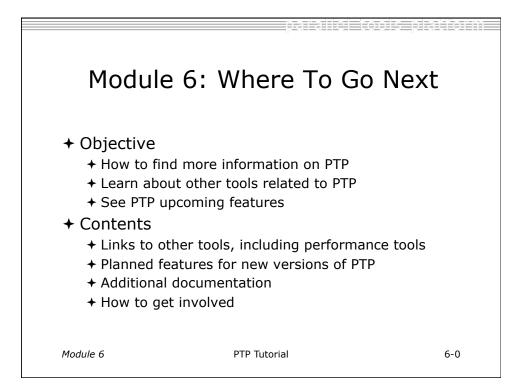


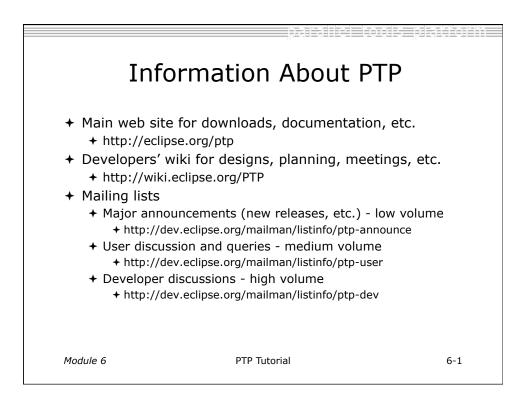


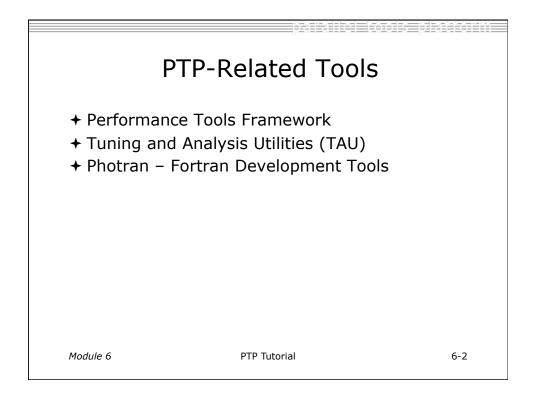
 Port forwarding can be enabled to tunnel all communication over a single connection If you don't want to use port forwarding, your local machine must be accessible from the remote machine Select your local machine's IP address from the dropdown 	Port Forwarding ORTE Proxy Configuration Enter information to connect to an ORTE proxy server Remote service provider: Remote Tools Proxy server location: local C Path to proxy executable: xx86/bin/ptp_orte_proxy Browse Multiplexing Options None Local address for proxy connection: 9.67.154.242 Ouse port forwarding Launch server manually	Image: New Options
dropdown + Enter it manually if it's not visible + Click Finish Module 5	Cancel PTP Tutorial	Finish 4

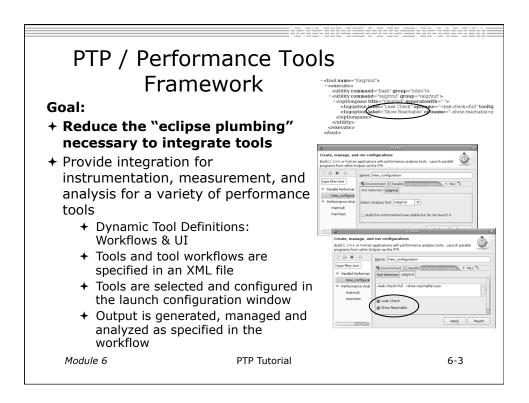


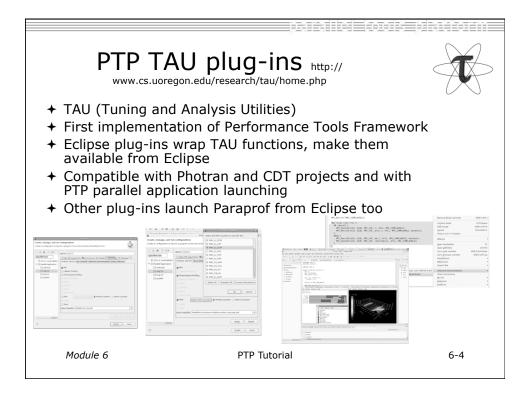












Taskfinder							
 Dynamic analysis tool available soon in PLDT 2 Profiles program counter addresses and memory 	Create, manage, and ru	configurations	Configurations ce analysis tools. Launch as sequential	programs or			
references via PIN tool instrumentation of x86 Linux binaries	Image: Second secon	Name: qsort Main (=> Arguments (% Environmer (Performance Analysis Debugger "2 Tool Selection TF options mt -t, home,beth/swit/sprof/binjpint/sprof -analyze -analgo simple - sampleize 2500 -rate 30 -ignorestack -replie home,beth/ews/tuntime- pt22 - joint -askindergioant/sprof out ->					
 + Feedback on available parallelism in loops, etc. + Utilizes Performance 		Willithreaded Tool name Sample size (2500) Rate (30) Ignore stack?	/home/beth/sw/tlsprof/bin/pintlsprof 2500 30	Browse			
Tools Framework		Report file	runtime-ptp21-pldt-taskfinder/qsort/tb	sprof.out Browse			
 of a faunch find completely specified in XML – no code 	Filter matched 3 of 3 item		P	rofile Close			
Module 6	PTP Tutorial			6-5			

