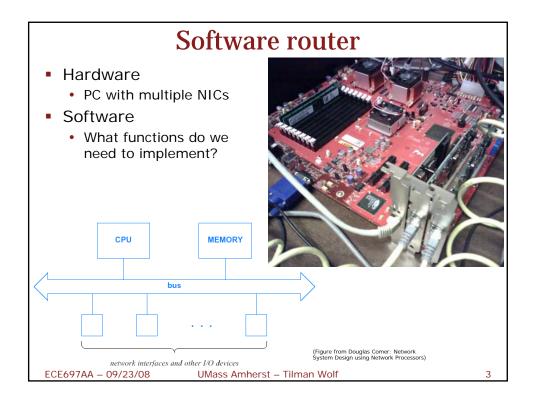
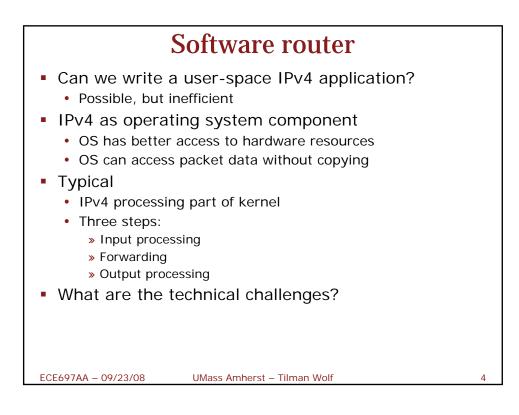
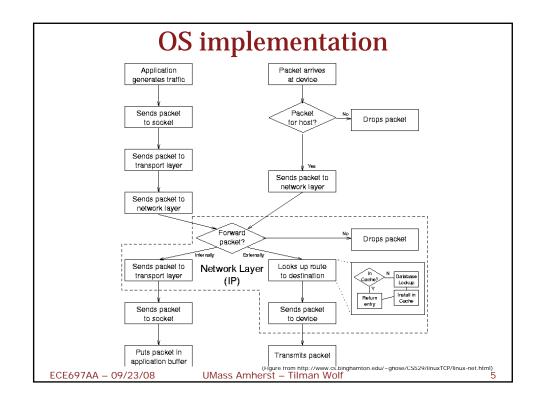
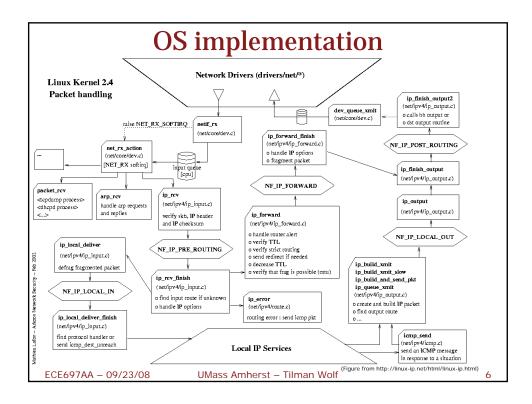


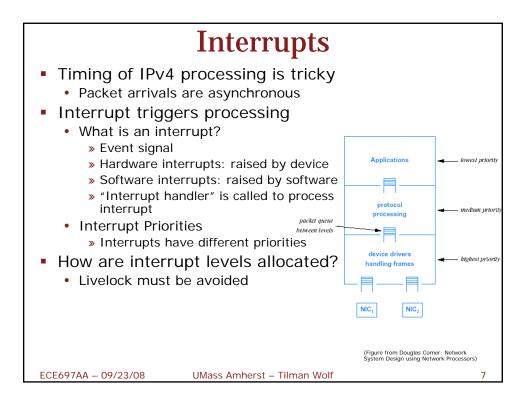
 Router process packets 	Network Working Group Request for Comments: 1012	F. Baker, Edito: Cisco System		
 at Network Layer Operations specified in 	Omeolees: 1716, 1009 Gategory: Standards Track Requirements for IP Version 4 Routers Status of this Memo			
RFC 1812		eion and suggestions for ent edition of the "Internet r the standardization state		
 How can we build an 	PREFACE			
IPv4 router?	This document is an updated version of <u>BFC 1716</u> , the historical Router Requirements document. That BFC preserved the significant udscribe over into the workhol group, but fulled to adequicity atomatic event echonology for the HEd to consider is a surrent standard. The current editor had been asked to bring the document up to date, so that it is useful as a procurement specification and a guide to implementors. In this, he scands squarely on the shoulders of these who have not constrained to here the start of the shoulders of the for text. Any credit is the list the error are his. The content and form of this document are due, in large part, to the working group's chair, and document's original editor and author: Fhilip Aimquist. It is also largely due to the efforts of its previous editor, Frank Maxtenhola. Without their efforts, this document would not exist.			
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Scalability		
 What is scalability? A system (design) is scalable if it can easily be extended in "size" and performance More ports Faster links Scalability important in system design Design process is expensive Ability to easily extend to new requirements is important Performance requirement increase really fast Moore's Law Systems will eventually be used in a different context Is a software router scalable? 		
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