Supporting Software Evolution Analysis with Historical Dependencies and Defect Information

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Detecting problematic areas in an evolving software system to prioritize the reengineering effort

Problem







Software Evolution concerns several releases of a software























Software System	Model	Analysis
cvs / svn		
nfra	stru	cture































Bug analysis	Bug prediction	Historical	dependenc	ies analysis				
Bug watch visualization [VISSOFT '07]								
End: 10/16/2001	Beginning: 10/19/1999	Status	From	То				
		Assigned	10/19/99	12/21/99				
		Resolved	12/21/99	1/31/00				



Bug analysis	Bug prediction	Historical	dependenc	ies analysis					
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End: 10/16/2001	Beginning: 10/19/1999	Status	From	То					
		Assigned	10/19/99	12/21/99					
		Resolved	12/21/99	1/31/00					
		Reopened	1/31/00	2/6/00					
	New	2/6/00	6/5/00						
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Bug analysis Bug prediction Historical dependencies analysis

Bug watch visualization [VISSOFT '07]









































































