Declaration of Tal Lavian, Ph.D., in Support of Petition for *Inter Partes* Review of U.S. Patent No. 6,816,898

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ServiceNow, Inc. Petitioner

v.

BMC Software, Inc. Patent Owner

U.S. Patent No. 6,816,898 Filing Date: August 16, 2000 Issue Date: November 9, 2004

TITLE: INTERFACING EXTERNAL METRICS INTO A PERFORMANCE MANAGEMENT SYSTEM

DECLARATION OF TAL LAVIAN, PH.D.

A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET

I.	BRIE	RIEF SUMMARY OF MY OPINIONS1						
II.	INTR	INTRODUCTION AND QUALIFICATIONS						
	A.	Qualifications and Experience						
	B.	Mate	rials Considered	7				
III.	PERS	SON OF ORDINARY SKILL IN THE ART9						
IV.	RELEVANT BACKGROUND11							
	A.	Network Management11						
	B.	Scripts and Scripting Languages						
V.	THE '898 PATENT'S TECHNIQUE FOR COLLECTING PERFORMANCE MANAGEMENT DATA21							
	A.	The S	The Specification					
	B.	The Claims of the '898 Patent						
	C.	Clain	n Construction	25				
		1.	"meta data"	26				
		2.	"accompanying"	27				
		3.	"service monitor"	29				
		4.	"performance management data"	31				
		5.	"business-oriented performance management data"	32				
VI.		APPLICATION OF PRIOR ART TO CLAIMS 1-12 OF THE '898 PATENT						
	A.	Summary of Prior Art References Applied in this Declaration						
		1.	Miller (Ex. 1003)					
		2.	Kernighan and O'Reilly (Exs. 1004, 1005)					
	B.	Application of the Prior Art to Claims 1-12						
		1.	Claim 1 is Disclosed or Suggested by Miller					

DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

i

(continued)

	(a)	"collecting performance management data having accompanying meta data, the meta data including information defining the performance management data and information indicating operations to be performed on the performance management data" (Claim 1[a])
		(i) "collecting performance management data"43
		 (ii) the performance management data "having accompanying meta data, the meta data including information defining the performance management data"
		 (iii) "accompanying meta data" that includes "information indicating the operations to be performed on the performance management data"
	(b)	"generating output data for display using the collected performance management data according to the information indicating the operations to be performed on the performance management data" (Claim 1[b])
2.	Claim	2 is Disclosed or Suggested by Miller
	(a)	"a performance management system receiving at least one script-based program"
	(b)	"running the script-based program via the performance management system to periodically collect the performance management data from components in a network"
3.	Claim	3 is Disclosed or Suggested by Miller
	(a)	"integrating the at least one script-based program into the performance management system as a service monitor"
	(b)	"using the service monitor to periodically collect the performance data"

(continued)

4.	Claim	4 is Disclosed or Suggested by Miller60
5.	Claim	5 is Disclosed or Suggested by Miller62
6.	Claim	6 is Disclosed or Suggested by Miller63
	(a)	[Preamble] "[a] method for providing an interface between a user and a performance management system"
	(b)	[Preamble] "the performance management system being connected with a network"
	(c)	[Preamble] "the network including a plurality of components coupled by a plurality of connections"64
	(d)	[Preamble] "the performance management system collecting data of the components"
	(e)	"receiving at least one script-based program from the user, the script-based programs defining data types not provided by the performance management system" (Claim 6[a])
	(f)	"integrating the program to the performance management system as a service monitor, the performance management system using the service monitor to periodically collect data of the defined data types from the components" (Claim 6[b])68
7.	Claim	7 is Disclosed or Suggested by Miller69
8.		8 is Disclosed or Suggested by Miller, Kernighan 'Reilly72
	(a)	"receiving input from the user, the input specifying a rate at which the service monitor polls the components" (Claim 8[a])
	(b)	"receiving input from the user, the input specifying names, types and units of input parameters and output variables of the script-based program" (Claim 8[b])

(continued)

Page

			(c) "using the input from the user to setup the program as a service monitor of the performance management system" (Claim 8[c])	84
		9.	Claim 9 is Disclosed or Suggested by Miller	
		10.	Claim 10 is Disclosed or Suggested by Miller	
		11.	Claim 11 is Disclosed or Suggested by Miller	87
		12.	Claim 12 is Disclosed or Suggested by Miller	89
	C. Enablement		blement	90
VII.	CON	CLUS	SION	93

DOCKET A L A R M



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.