MiVoice MX-ONE Traffic Manager

Simplified measurement & analysis of performance data from MiVoice MX-ONE

Gives administrators real-time insight into the performance of trunks, routes, operators, individual extensions etc.

Key Features

- Graphical interface for managing MX-ONE performance
- Traffic analysis tools of major components, including radio base stations and IP extensions
- Configurable and easy to read performance traffic reports
- Multiple MX-ONE Service Nodes can be managed from a single performance manager application

With MX-ONE Traffic Manager, performance data is available at your fingertips, giving administrators the business intelligence you need to ensure system resources are finely tuned to avoid system bottlenecks and ensure maximum availability. Traffic Manager supports the extended reporting of radio base station performance statistics, automatically retrieved from the MX-ONE system and stored in the Traffic Manager server. This data can be easily viewed, modified and presented in customizable and exportable graphic reports.

Main Features

Having accurate, real-time statistics on the traffic flows in the communication system can prevent bottlenecks and help you optimise performance in high traffic situations.

- Optimized trunk routes or leased lines means optimized payments to your service provider
- Correct number of tie-lines (internal trunks) means more calls staying on the corporate network for increased capacity, faster access and reduced toll charges
- Sufficient incoming trunks during peak traffic hours will avoid lost calls and improve customer service
- Optimized radio planning to avoid missed/dropped calls in dense in-building cordless environments

Data Manager

- Full Microsoft Windows graphical user interface with common SPM look and feel
- Up to 250 traffic measurements from the MX-ONE
- Manage up to 250 traffic measurements in total for trunks, extensions, operators, PCM lines, common system resources

- Multi-user environment for local and remote connections
- Automatic or manual traffic data extraction from MX-ONE
- Back-up and restore of historical traffic measurement data for presentation access
 - Up to six months for primary database
 - Up to a year for auxiliary database
- Online display of the MiVoice MX-ONE feedback
- Drag and drop support for data manipulation
- Multiple MiVoice MX-ONE configurations
- Daily system log files

House exchange	-	+ -						
House exchange		Meno	Object	Parameter	Start time	Endtime	Start date 1	End date 1
Active Measurements	1	3	CXNM08	OBJNO=0.UM=ALL	15:00	19.00	09/28/2011	09/28/2011
Extension	2	4	ROUDIO	ROU=1	00.00	24.00	06/10/2011	06/10/2012
Group	3	5	ROUDIO	ROU=41	00.00	24:00	06/10/2011	06/10/2012
CIM .	4	6	EXTENS	LIM=ALL	00.00	24:00	05/10/2011	06/10/2012
Operator	5	7	IP-DEV	LIM=ALL	00:00	24:00	06/10/2011	06/10/2012
Paging	6	9	OPINDI	DIR=ALL	00:00	24:00	06/25/2010	12/31/2011
PCM Lines	7	11	KEYC-R	LIM=1	17:00	18:00	09/03/2010	09/03/2010
Route	8	12	KEYC-R	LIM-2	17:00	18:00	09/03/2010	09/03/2010
	9	13	KEYC/R	LIM-3	17:00	18:00	09/03/2010	09/03/2010
	10	14	KEYC-R	LIM-4	17:00	18.00	09/03/2010	09/03/2010
	11	15	KEYC-R	LIM=124	17:00	18.00	09/03/2010	09/03/2010
	12	16	ROUDIO	ROU=13	00.00	24.00	11/10/2010	12/31/2011
	13	17	ROUDIO	ROU=5	00.00	24:00	11/10/2010	12/31/2011
	14	18	CANTRE	OBJNO=0,LIM=ALL	15:00	19.00	09/28/2011	09/28/2011

Local Traffic Manager Server Administrator

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Presentation Manager

- Wizard for easy-to-design reports
- Simplified graphical user interface using Microsoft Excel
- Fully customizable report layouts
- Predefined reports for:
 - Operators
 - Trunk routes
 - Extensions
 - Hunt groups
 - Cordless extensions
 - IP network interface
- View reports in graphic, tabular or summary formats
- Manipulate chart data by editing existing data fields to create new reports
- All database fields available for customizable reports

TASK SCHEDULER

- Automatic printing and distribution of reports
- Capability to switch between accessing primary or auxiliary databases

		P Server House exchange] - Reports									
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rt Period	Sun 9/11/2011 to Non 9/19/2011 Retrieved Records: 792 (15 Minutes) Time Period from 12:00:00 AM to 12:00:00 AM (hh:mm:ss)										
	-										
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	Inconine/Dutacine	Average Time In Use									
te	attempts (calls)	for New Calls (Secs) Traffic in Erlang	Working Extensions								
011 12:30	Performance Presentat	ion Manager (Local MSP Server:House exchange) -	Reports								
011 13:00	File Edit View Inc	iert Format Jools Data Window 2014	Help		Type a quest	ion for help					
011 13:15		2 2 2 2 3 4 5 5 5 5 5 5 5 5 5	× 1 1 1 12 -								
13/2011 13:45	Summary Report										
	Report Extension overall tettic LNI-ALL										
011 14:30	Node										
011 14:45	Drganization										
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011 16:00											
13/2011 16:15 13/2011 16:30 13/2011 16:45				Total	Average(Erlang)						
		Incoming/Outgoing attempts (calls)		278	0.35						
011 17:00			Min	Max	Average						
011 17:30		Talk time (secs)	0	10800	1431.26						
13/2011 17:45 13/2011 18:00		Number of Extensions									
		Working	50	63	59.98						
		Blocked	8	21	11.02						
		Available	71	71	71.00						
			Min	Max	Average(Erlang)						
		Traffic in Erlang	0	12	2.06						
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Traffic Presentation Manager

Technical Information

HARDWARE/SOFTWARE

Since each Traffic Manager configuration has different storage and processing requirements, the following is a general guideline for a small Traffic Manager installation:

- Pentium 2.4 GHz or better for the Traffic Manager server
- Pentium 1.3 GHz or better for client applications
- Minimum 1 GB RAM
- Minimum 1024x768 SVGA monitor
- Connection to the IP network (LAN)
- Traffic Manager Server: Microsoft Windows 2003 (32 bit), Windows 2008 (32 & 64 bit) and Windows 2012 (64 bit)
- Traffic Manager Client: Microsoft Windows XP (32 bit). Windows Vista (32 bit), Windows 7 (32 & 64 bit), Windows 8 (64 bit)
- Microsoft SQL Server 2005 (32 bit), SQL Server 2005 Express (32 bit), SQL Server 2008 (32 & 64 bit), SQL Server 2008 Express (32 & 64 bit), SQL Server 2012 (64 bit) and SQL Server 2012 Express (64 bit)
- Traffic Presentation Manager requires Excel 2003 (32 bit), 2007 (32 bit), 2010 (32 and 64 bit) to view reports
- Traffic Manager can be installed in a VMware environment

COMMUNICATION

- Connection to the MX-ONE is achieved via IP network using SSH
- Traffic Manager clients can connect to the server via the corporate IP network (LAN) or even remotely via VPN connection

COMPATIBILITY

• Traffic Manager is compatible with MX-ONE Version 4.1 and later



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