Data Extensions to Mutiny Remote Agents

Introduction

This document details extensions to the Mutiny Remote Agent format that allow a Remote Agent to report numerical data. This data will then be able to used in the same way as numerical data that is generated my Mutiny's internal monitoring. For example, the data will be able to be graphed and shown on Top Ten lists. It will also be possible to send this data to the Mutiny Reporter appliance.

Data Line Formatting

Each data value should be placed on a separate line in the same file as the Remote Agent status line. Each data line consists of 7 pipe(|) separated fields. These fields are formatted as shown below:

```
Agent Name|D|Property Type ID|Property Instance ID|Property Instance Value|↵
    Property Type Label|Property Type Units|
```

Name	Description	Type	Required	Example
Agent Name	Remote Agent that this data line is associated with. Within each Remote Agent file this field should always be the same.	Alphanumerical and space, dash, underscore and full-stop characters.	Yes	MSExchange
D	Single character that indicates that this is a data line. If this character is not present then the line will be treated as a status line.	D character only.	Yes	D
Property Type ID	Identifies the type of the data that is being supplied.	Alphanumerical and space, dash, underscore and full-stop characters.	Yes	smtpLocalQueueLength
Property Instance ID	Identifies the specific instance of the data that is being supplied.	Alphanumerical and space, dash, underscore and full-stop characters.	Yes	GBVMEXCH01 – smtp 1
Property Instance Value	The actual value that Mutiny should store.	Floating point number. Internally this number is stored with 32 bit accuracy.	Yes	1.0
Property Type Label	Human readable label that describes this data type. It should be the same for all data lines that have the same Property Type ID.	All characters except for pipe and semi-colon.	No[1]	SMTP Local Queue Length
Property Type Unit	Human readable label that describes the units of this data type. It should be the same for all data lines that have the same Property Type ID.	All characters except for pipe and semi-colon.	No[2]	

1. If no label is supplied then the Property Type ID will be used instead.

2. If no unit label is supplied then no units will be shown to the user.

Notes on Property Types

Property types are an important concept in this extension as they are used by Mutiny to identify which properties are similar and whether they should be compared. For example properties with the same type will be placed on the same table in the "Top Tens" interface. The table below provides examples of typical property types and instances IDs:

Type ID	Type Label	Type Units	Example Instance IDs
diskUsage	Disk Usage	%	C:\, D:\, /usr
diskSpaceUsed	Disk Space Used	Gbs	C:\, D:\, /usr

envT	Temperature	°C	Main Board, CPU
envP	Power	kWatts	PDU1, PDU2
smtpLocalQueueLength	SMTP Local Queue Length		GBVMEXCH01 - smtp 1, GBVMEXCH01 - smtp 2

Reserved Property Types

The following property types are reserved by the Mutiny system. A remote agent can use these property types; however it is not possible for a remote agent to change the label or units for these types.

Type ID	Type Label	Type Units
envT	Temperature	°C
envH	Humidity	%
envP	Power	kWatts
envV	Voltage	VAC
envC	Current	A