Are there any recommendations for Event Rule name and/or description length?

THE INFORMATION IN THIS ARTICLE APPLIES TO:

- EFT, v7.0 and later

SYMPTOM

In an EFT HA environment with a considerable amount of Event Rules, if the Event Rule name and description are long enough, it can exceed the MSMQ limitation of 64K. This can cause the EFT node to hang and eventually restart when trying to make a modification (such as when attempting to change the priority of an event rule).

Are there any specific recommendations for event rule name and/or description length to avoid issue?

WORKAROUND

The administration interface sends to EFT the following data structures in one message for each event rule:

event_rule structure:	sizes:
boost::uuids::uuid id;	36 bytes
std::wstring rule_name;	strlen x 2 bytes
std::wstring rule_description;	strlen x 2 bytes
bool enabled;	1 byte

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The message size is: (37 + (strlen(rule_name) + strlen(rule_description) * 2)) * rules_count In the formula above, we suppose that "strlen(rule_name)" and "strlen(rule_description)" are the average from all event rule names and descriptions.

Additionally, the message is compressed before sending. MSMQ requires the message size to be less than 64k. It's a known MSMQ limitation.

MORE INFORMATION

Are there any recommendations for Event Rule name and/or description length?

Globalscape recommends that you leave the description field blank (no text) and make the Event Rule name no longer than 20 characters. If you follow our recommendation, you should be able to create, edit, and use about 4000 Event Rules without problems.

Rule parameters\Rules count:	100	200	300	400	500	600	700	800
(40 rule name, 160 description)	31152	60672	90208	-	-	-	-	-
(40 rule name, 140 description)	28416	55456	82432	-	-	-	-	-
(40 rule name, 120 description)	25840	50336	74768	-	-	-	-	-
(40 rule name, 100 description)	23232	45200	66992	-	-	-	-	-
(40 rule name, 80 description)	20528	40000	59072	78320	-	-	-	-
(40 rule name, 60 description)	17904	34816	51360	67968	-	-	-	-
(40 rule	15152	29392	43456	57360	71408	-	-	-

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name, 40 description)								
(20 rule name, 40 description)	12400	24032	35568	46864	58112	69456	-	-
(40 rule name, 0 description)	9456	18208	27534	35504	43856	52368	60752	69264
(20 rule name, 0 description)	8256	12544	18448	24272	30112	35952	41696	47440

Taking into account the table above and that the Event Rule names aren't random in real life (they are compressed five-fold) we can suggest the formula:

(37 + (strlen(rule_name) + strlen(rule_description) / 3)) * rules_count < 64K

e.g. If you want 1000 event rules, then:

(37 + (strlen(rule_name) + strlen(rule_description) / 3)) * 1000 < 64000

<=>

(37 + (strlen(rule_name) + strlen(rule_description) / 3)) < 64

<=>

(strlen(rule_name) + strlen(rule_description) / 3) < 27

<=>

strlen(rule_name) + strlen(rule_description) < 81

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GlobalSCAPE Knowledge Base
https://kb.globalscape.com/Knowledgebase/11315/Are-there-any-recommendation...