

Backport193 - Backport #5835

Please Backport r34202 and r34204 (rexml BaseParser uses instance_eval unnecessarily on listener add)

01/04/2012 12:07 AM - headius (Charles Nutter)

Status:	Closed
Priority:	Normal
Assignee:	
Description	
<p>In add_listener in REXML::BaseParser, there's code to instance eval and replace the old "pull" method with a new one that calls all listeners. I assume this was done to avoid the cost of calling .each on the listeners when there's none registered, but when the list is empty this call is nearly a no-op anyway. The singletonizing effect of instance_eval and the redefinition of #pull, on the other hand, cause a cache flush throughout the system.</p> <p>I have created a patch that removes the instance_eval, initializes the listeners array unconditionally, and does the event #each unconditionally. It passes all tests, and should perform better because it's not damaging the cache.</p> <p>https://gist.github.com/1420383</p> <p>This can be safely backported to any Ruby version and has no visible behavior change.</p>	

History

#1 - 01/04/2012 12:09 AM - ayumin (Ayumu AIZAWA)

- Subject changed from *rexml BaseParser uses instance_eval unnecessarily on listener add* to *Please Backport r34202 (rexml BaseParser uses instance_eval unnecessarily on listener add)*

#2 - 01/04/2012 12:23 AM - kou (Kouhei Sutou)

- Subject changed from *Please Backport r34202 (rexml BaseParser uses instance_eval unnecessarily on listener add)* to *Please Backport r34202 and r34204 (rexml BaseParser uses instance_eval unnecessarily on listener add)*

#3 - 01/04/2012 01:28 AM - ayumin (Ayumu AIZAWA)

- File *backport_5835.patch* added

- % Done changed from 100 to 0

#4 - 01/07/2012 10:48 PM - ayumin (Ayumu AIZAWA)

Merged by [r3224r3223](#)

#5 - 01/07/2012 10:49 PM - ayumin (Ayumu AIZAWA)

- Status changed from *Open* to *Closed*

Files

backport_5835.patch	1.29 KB	01/04/2012	ayumin (Ayumu AIZAWA)
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