

pitertools - Feature #5295

Implementation of multi-threaded rsync for base backups

04/17/2014 09:08 AM - Joshua A. Drake

Status:	Resolved	Start date:	04/17/2014
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Resolution:			
Description			
Due to the single-threaded nature of pg_basebackup, performing a base backup can be a rather slow process. Multi-threading the interface in Python would resolve this.			

History

#1 - 04/17/2014 09:11 AM - Joshua Drake

- File `threaded_rsync.py` added

On 04/17/2014 09:08 AM, pitertools-tickets@lists.commandprompt.com wrote:

Due to the single-threaded nature of pg_basebackup, performing a base backup can be a rather slow process. Multi-threading the interface in Python would resolve this.

Here is the code to implement.

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Political Correctness is for cowards.

{{attachment(204)}}

#2 - 04/17/2014 09:28 AM - Joshua A. Drake

Development plan:

- Add value `rsync_threads` (int) to `cmd_standby.ini`; Default 1
- Corresponds to `--num_threads` options passed to `threaded_rsync.py`. Defines amount of threads used in parallel rsync for base backups.
- Update `doc/cmd_standby.README` accordingly
- In `cmd_standby: CMDStandby.base_backup_func`, insert `threaded_rsync.py` with appropriate options

#3 - 04/17/2014 10:21 AM - Joshua A. Drake

<https://github.com/commandprompt/PITRTools/pull/37>

#4 - 04/17/2014 10:33 AM - Joshua A. Drake

- Status changed from New to Resolved

#5 - 05/07/2014 10:35 AM - Joshua A. Drake

`threaded_rsync.py` is not always located correctly as it is referred to by a relative path

Fix: <https://github.com/commandprompt/PITRTools/pull/41>

#6 - 05/15/2014 12:08 PM - Joshua A. Drake

`threaded_rsync.py` is not invoked "properly" in `subprocess.call()`, and thus only works sometimes.

Fix: <https://github.com/commandprompt/PITRTools/pull/43>

Files

