

## RMCS IT5 RC1 & RC2 Release Notes

### IT5.0 RC2

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- \* ENH: (87519)(js/adm) Added specialization-on-the-fly functionality for running communication server jobs. Added 2 database fields to support this:
  - a) In JobDefinitions table, added [SpecializeOnTheFly], type BIT, NOT NULL, default 0.
  - b) In JobInstances table, added [Script], type nvarchar(max), NULL.
- Also, added script cache for optimizing script lookup on dequeue of specialize-on-the-fly job instance items.
- Added support to the HTTP interface via the specializeOnTheFly attribute.
- \* OPT: (js) Optimized the GetWorkItem and UpdateWorkItemStatus members, combined inserts, combined/reduced queries calls.
- \* OPT: (js) Optimized appliance data retrieval during RunJob by supporting additional fields on appliance query.
- \* OPT: (js/cs/rs) Optimized script engine to only reflect DLLs with script objects.
- \* ENH: (cs) Added SpiderRequestMinimum and LastRequestMinimum configurations to the comm server to control frequency of GetWorkItem callbacks.
- \* OPT: (84596)(adm/js) Fixed saving/deleting script delay by removing related items in jobdefinitionspecialization in separate thread.
- \* OPT: (adm/js) Fixed deleting appliance group delay by updating related items in separate thread.
- \* BUG: (adm) Fixed bug when deleting ad-hoc appliance group, now removes items in GroupHasAppliance table.

### IT5.0 RC1

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- \* BUG: (83302)(t/rs) Escaped xml content from the ldrives/rdrives command. This fixes an issue with an ipod or other invalid named volume causing problems.
  - No need to update remote servers for this fix as that issue doesn't apply to kiosks.
- \* BUG: (83304)(js) When job starts and fails to create instances (due to database timeout), properly cleans up job definition so it won't have to expire.
- \* BUG: (83329)(t) When importing scripts, reports scripts skipped. Fixed issue looking up script by name when not replacing script so that it will skip it.
- \* OPT: (84108,84794)(js/cs) Changed session ID usage for running jobs to use the session id for the duration of the job and expire it at the end of the job. Each call to RunSql will now utilize the same session id.
- \* OPT: (84142)(js) Changed runjob to utilize database transaction for safe rollbacks in the event of timeouts.
- \* BUG: (N/A)(js/cs) Discovered bug in running multiple socket instances. Fixed so that they scale up to available spiders.
- \* BUG: (84392)(t) Changed Terminal to save settings and security files in user directory instead of application's program files directory so that it'll run on Windows 7.
- \* BUG: (84680)(js) Fixed/confirmed that jobs with no appliances will not create a job instance.
- \* BUG: (85056)(adm) Fixed popup calendar on the search for the job instance item page.

- \* BUG: (adm) Fixed in job instance item UI stats, exception when no connection for script.
- \* BUG: (js) For error recovery jobs that reference the same job definition, it honors the schedule so that it won't run again right away.
- \* BUG: (86449)(cs) Added configurable HTTP timeout for send command, set SendCommandTimeout to milliseconds in .config file. Default set to 300000 (5 mins).
- \* BUG: (86449)(js) Changed job transaction to use isolation level ReadUncommitted.
- \* BUG: (86640)(cs) On update job instance item status, if job successful and error in communicating status to job server, retry once.
- \* ENH: (js) Added support for background specialization. Configurable block size, interval, lead time, and exclusion times. Added UI to job server status to display specialized items in the last hour.