

Product Roadmap

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Agenda

- GemStone become: GemTalk .
- GemStone/S 32
- GemStone/S 64
- MagLev



GemStone become: GemTalk

What's Changing

- Company Name Now GemTalk Systems
- Office Location: Upstairs from VMware (same building).
- Domain Name: gemtalksystems.com
- Emails: first.last@gemtalksystems.com
- Phone Numbers
- Licensing: more flexible options for customers and partners



GemStone become: GemTalk

- What's Not Changing
 - Product Names
 - GemStone/S, GemBuilder for Smalltalk, etc
 - Team: 100% Staff Retention
 - Licensing and Support Obligations
 - All contracts were assumed by GemTalk
 - World-class Technical Support



GemStone become: GemTalk

- What's Not Changing
 - Smalltalk Community Support
 - Smalltalk Industry Council
 - Gold Sponsor and Board Member
 - European Smalltalk Users Group
 - Platinum Sponsor
 - Fundacion Argentina de Smalltalk:
 - Platinum Sponsor
 - Pharo Consortium



GemStone/S 32

- GemStone/S 32 End of Life
 - VMware date: October 2015
 - Not So Fast!
 - GemStone/S 32 customers need more time to migrate to GemStone/64
 - EOL date is suspended indefinitely.
 - GemStone/32 still in maintenance mode.



- Maintenance Mode
 - Urgent bug fixes only.
- Current Version: 2.4.5.3
 - Bug Fixes
 - AIX Performance Improvements



- Current Version: 3.1.0.5
 - IPv4 and IPv6 Fixes
 - Repository Restore Performance Improvements
 - Hot Standby Fixes
 - ProcessScheduler Fixes
 - Reclaim during Backup problems.



- New Target Date: Q4/2013 Q1/2014
- New Features
 - Add support for Solaris 11
 - Update Open Source Software to latest stable versions
 - OpenLDAP
 - OpenSSL
 - Zlib
 - LibICU
 - Oniguruma (regular expressions)



- New Features
 - Multi-threaded page reclaim sessions.
 - Additional multi-threaded garbage collection options.
 - Additional Unicode character features
 - Indexing Support
 - ICU package collators
 - Optimized Dictionary and SortedCollection classes
 - Replace old CharacterTable Support in favor of libicu functionality



- New Indexing Features
 - Set-valued path terms
 - New Query API
 - New Index Creation API
 - Selector Path Terms
 - Date and DateTime Encoding and Caching in B-tree nodes
 - Unicode String Indexes
 - Concurrent Parallelized Index Creation
 - Wildcard String Query Examples



- New Symmetric Encryption Methods
 - Support for AES Encryption
 - 128, 192 and 256 bit keys supported
 - Example:

```
category: 'Encryption'
method: CharacterCollection
aesEncryptWith256BitKey: aKey salt: aSalt into: aByteObjOrNil
"Encrypts the receiver using 256 bit AES encryption and places the result into aByteObjOrNil."

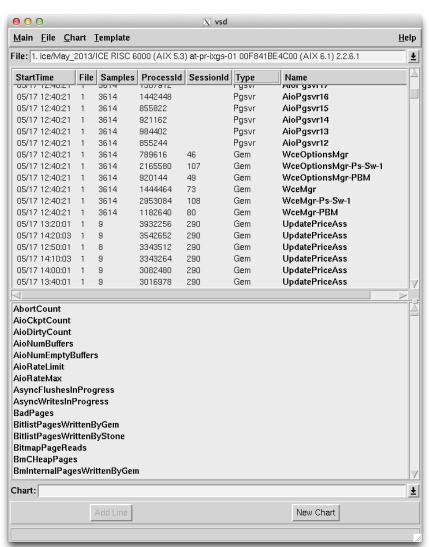
^ self _primEncryptDecryptWithKey: aKey salt: aSalt opCode: 2 encrypt: true into: aByteObjOrNil
```



- New Hot Standby Features
 - Support for automated restore-complete status check during planned failover event.
 - Use SSL socket for communication with hot-standby nodes (optional)
- Thread-safe GCI C/C++ API



- VSD Improvements
 - 64 bit program
 - (Much) Faster file loading
 - Session ID Column
 - Enable Mouse Wheel scrolling.





GemStone/S 64 v3.2 Platforms

- Object Server (Database)
 - Linux 64 bit
 - Apple Darwin 64 bit
 - Oracle Solaris 64 bit
 - Oracle Solaris SPARC 64 bit
 - IBM AIX 64 bit
- Cincom VisualWorks 7.9.1/7.10 Clients
 - MS Windows 7/8 32 bit
 - MS Windows 7/8 64 bit COMING SOON
 - Linux 32/64 bit
 - Solaris SPARC 32/64 bit
- Instantiations VA Smalltalk 8.6 / 8.5.2 Clients
 - MS Windows 7/8 32 bit



GemStone/S Licensing Models

- Perpetual
 - Buy once, own it forever
- Annual Subscription
 - Pay annually, cancel any time.
 - Previously discontinued by VMware
- VAR (Value Added Reseller)
 - Embed GemStone/S in your product offering



GemStone/S Web Edition

Price	Free	\$7000/core	\$15000/core
Max. Cores	2	4	8
Max. SPC	2 GB	2 GB	4 GB
Support	Community	18% (optional)	18% (optional)
Repository Size	Unlimited	Unlimited	Unlimited



Questions?

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