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## Caché and MUMPS – Part II

Edited by Deborah Graham and John J. Mitchell

Part I – Chapters 1 thru 8 – Summary and Introduction

Overview, Introduction, Installation, Support, Documentation, Website, and History of MUMPS & Caché.

Part II – Chapters 9 thru 20

Organizational Interviews and Software Reviews

Introduction, InterSystems, MultiValue, GeorgeJames Software, Henry Elliott & Company, EnsPlus, GT.M, Web Based Enhancements, Robert Morris, NoSQL, Semaphores, and GlobalsDB.

Part III – Chapters 21 thru 24 – Caché Developer Resources

GeorgeJames Software, Henry Elliott & Company, EWD.js, Google Group on Caché, Ensemble, and DeepSee. The Veterans Administration (Hardhats.org, History). Linkedin Groups, InterSystems Resources (Class Documentation, Developer Connection, University Outreach Program, Learning Services, Online Learning, Library, Analyst Reports, White Papers, Brochures, Developer Courses, System Manager Courses, Certification Programs, Implementation Services, Product News, Alerts, and Advisories, Version Information, Licensing Information, ODBC Driver, Remote Access, Blog, Security Certification, and Tutorials. WorldVistA, MUMPS Wikipedia, Wikibooks, Language Tutorial, MUMPS by Example, InterSystems Development Tools.

Part IV – Chapters 25 thru 33 – Globals

Introduction of Globals, Multidimensional, Global – Variables – Arrays, Create & Access a Global with $Order, Creating a Database, Temporary Globals, the Merge & Lock commands and Importing, Exporting & Copying Globals.

Part V – Chapters 34 thru 40 – Classes

Introduction to Classes, Reporting Data, Methods, Data Population, More Elements, Inheritance, and Relationships.

Part VI – Chapters 41 thru 50 – SQL/Query

Introduction to Caché SQL/Query, SQL Shell, System Explorer SQL, Embedded SQL, Dynamic SQL, Basic Class Query, Custom Class Query, Tuned Tables, Bitmap Queries, and System Library of Classes.

Part VII – Chapters 51 thru 56 – Cheat Sheet

Introduction, Caché Commands, Questions, Namespaces, Orefs, Lists, Data/Time, and Calling Formats.

Part VIII – Chapters 57 thru 64 - Calls to System Methods & Queries

Help topics, Orefs, Return Status, Class Index and Summary of Classes, Ids, Calling Instance and Class Methods, SQL Table Listing, Dump, Deployed, OpenId, SaveObjects, Concurrency, Transaction, GetEnviron, Version, CPUs, Buffers, ProcessID, Compiles, Shows, Validates, Errors, Deletes, Export & Load, ExportDir & LoadDir, Qualifiers & Flags, Upgrades/Update/IsUpToDate.

Part IX – Chapters 65 thru 90 – Routine Elements

The various commands, constructs, and functions that make up the main body of a routine. Routine Elements: Terminal Emulation & Namespaces, Variables, If, ElseIf, Else, Plus Sign, Kill, Concatenation, How Caché does Math, Halt, For Loop, True and False, Equal Sign, Not, Comparisons, And & Or, Contains, Follows, Sorts After, $Length, $Extract, $Find, $Replace, $Translate, $ZConvert, $ZStrip, $Data, $Get, $FNumber, $Justify, $Ascii, $Char, $Case, $Test, $Increment, List Functions, and Pattern Matching.

Part X – Chapters 91 thru 94 – IDE Editors

IDE – an integrated (or interactive) development environment that provides comprehensive facilities. Routine development with Caché Studio and a brief mention of the newest editor, Atelier.

Part XI – Chapters 95 thru 102 – Routine Structures

Introduction, Creating a Routine, Controlling Process Flow, Parameters Passing, Procedures vs Non–Procedures, Scoping and the New command, Structured Code and the Continue command, While & Do While.

Part XII – Chapters 103 thru 111 – Routine Extras

File Name Extensions, Variable Number of Parameters, Error Processing, Documentation, Testing & Debugging, Host File Processing, Import, Export, Copy & Compare, Studio Debugger, and Date & Time.

Appendices

Appendix A – Accessing System Classes

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