



GT.M – the ideal VistA platform

M Technology

- The cornerstone of Vista
- Commonly referred to as MUMPS
 - Comprehensive procedural language of the same maturity as C, SQL
 - Integrated hierarchical data management
 - Hierarchical model is a superset of relational model
 - Many needs map naturally to hierarchical model (e.g., XML is hierarchical)
 - *De facto* standard in health care – used by a majority of the largest health care VARs (IDX, Epic, McKesson/HBOC, etc.)
- Portable and scalable
 - Available on all popular platforms
 - Multi-tasking in a multi-user environment
- Robust and reliable, excellent performance relative to relational databases

GT.M – the best implementation of M

- High end transaction processing database application platform
- Includes a database engine, compiler for ISO standard M (MUMPS)
- Most widely used MUMPS in banking and finance
- Largest core processing system in production at any bank anywhere in the world
- First core processing system to go live on x86 GNU/Linux
 - Name brand US bank of millions of accounts processing millions of accounts on x86 GNU/Linux

GT.M as a platform for VistA

- Most widely used for VistA outside the US Federal Government, ranging from from clinics to large hospitals
 - First CHC to go live on VistA: GT.M on Linux
 - Instituto Mexicano del Seguro Social makes GT.M the most widely used MUMPS platform for VistA
- Thousands of downloads of VistA live CDs and pre-packaged distribution with GT.M
- GT.M is one of two M supported implementations for WorldVistA EHR

GT.M – Benefits

- Technical
 - Security and integrity
 - Continuity of business
 - Open architecture



Security and Integrity

- Proven in banking & finance
 - System of record for tens of millions of bank accounts in North America, Europe & Asia
- Uses underlying operating system
 - Clearly articulated security model
- Processes run as user level processes
 - No database daemon
- All updates recorded in journal file
 - Journal files are never reused

Continuity of Business

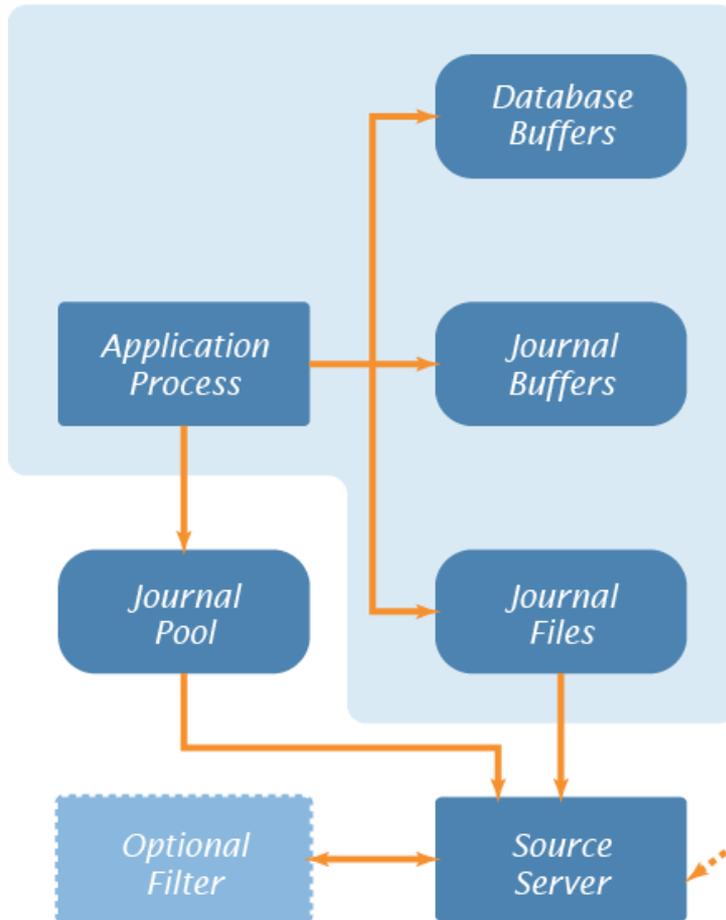
- Unique functionality for creating logical multi site operation
 - 1 primary instance replicates to up to 16 secondary instances to up to 256 tertiary instances...
- Keeps application available during not only unplanned events but also planned events



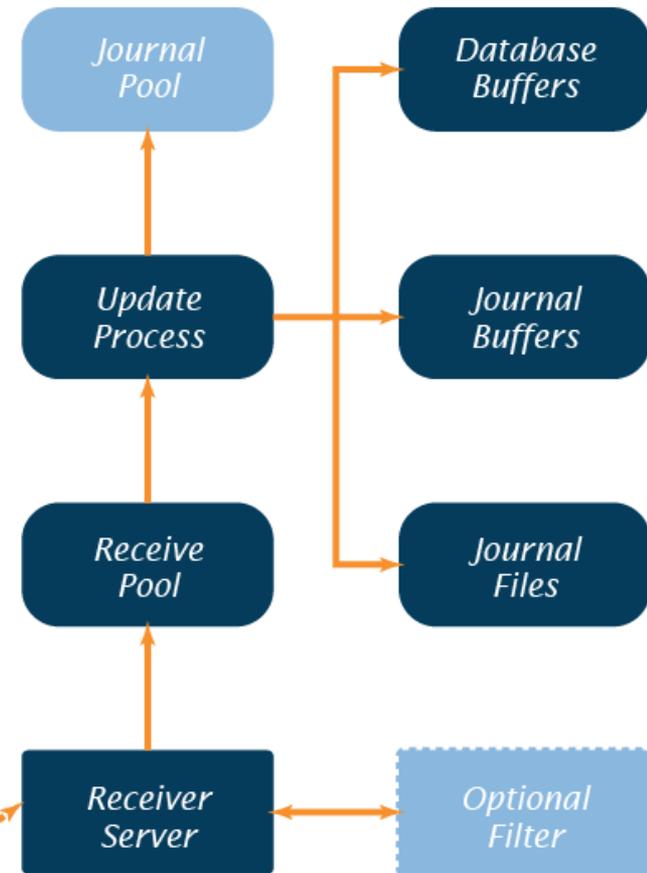
Logical Dual Site Operation



Site A (Washington)



Site B (Honolulu)



Open Architecture

- Integrates well with operating system
 - Freely integrate functionality available in underlying operating system
- Leverages existing software
 - Development tools – CVS, emacs, etc.
 - Graphical IDE – Serenji (<http://georgejames.com>)
 - Objects – ESIObjects (<http://sourceforge.net/projects/esiojects>)
 - SQL – KB_SQL (<http://knowledgebasedsys.com>)

GT.M – Benefits

- Technical
 - Security and integrity
 - Continuity of business
- Business
 - Cost effectiveness
 - Easy to do business with

Cost effectiveness

- Open source free software (GNU General Public License) on
 - x86 GNU/Linux
 - HP Alpha/AXP OpenVMS and Tru64 UNIX
- Reasonably priced on other platforms
 - IBM eServer pSeries AIX
 - Sun SPARC Solaris
 - HP PA-RISC HP-UX
 - HP Integrity (Itanium) HP-UX and Linux

Open Source Free Software

- Freedom is not (just) about price
 - Yes open source free software is more economical to use
 - GT.M is commercial software, support & services are available on commercial terms
 - The business model is different
- The real freedoms of open source free software
 - Use it in an way you wish
 - Learn from it
 - Enhance it to your needs
 - Make your improvements available to others

Easy to do business with

- Simple licensing
- Simple pricing
- 24x7 support



Coming up – PIP

- Infrastructure from banking ERP system (Profile) packaged as separate free / open source software package – to be introduced February 11, 2008 at Southern California Linux Expo