

# I.S. Clinical Development

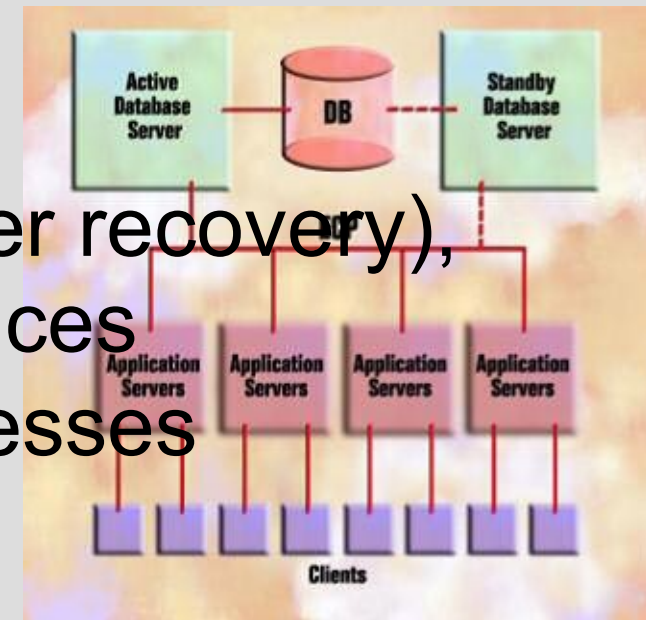
## Technology Roadmap for 2009



as presented by  
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# Caché ECP

- Extricates the applications from the database
- Provides for high availability over the “single instance” method
- All RHEL technologies have been in place since Go Live on September 23<sup>rd</sup> 2007
  - Linux IPVS / network director
  - Clustered Global Filesystem
- CCC can run with none (disaster recovery), one, or many application instances
- Expands caching to more processes



# Caché 2008.2

- Upgrade from 5.2.3 (2006 release) to keep current with support matrix
- Improved security model
  - CCC developer accounts will be ITS-enabled
  - Caché custom login can be replaced with InterSystems' ADS support
- ECP enhancements
- Fail-over to shadow enhancements
- RHEL 5 support

# DMX to CX storage

- Leverage SAN-based technologies (MirrorView, snap, clone) over host-based replication: shadowing and rsync
- Eliminates risk and complexity in tear-down and rebuilds of D.R. production environments
- Allows for adhoc D.R. testing of production environments without any downtime
- Simplifies systems support
- Scripting for one storage technology
- Less software on host
- Re-purpose its DMX storage for other needs



# Rack to Blade migration

- Improved manageability
  - High availability within chassis management
  - Lights-out management
  - Role-based access controls
  - Boot directly from SAN – no PXE layer
  - Boot images are “snaps” from a golden image
- Improved IPVS network director
  - Active-Active implementation
  - Simplified direct routing replaces NAT
- Other opportunities
  - Advanced CPU throttling
  - IPVS + ECP + AMM = workload scheduling

