

EMC Replication Accelerator for Oracle E-Business Suite

Business Challenges

Businesses are moving increasingly to Oracle's E-Business Suite Release 12 to manage customer interaction, manufacturing, shipping, collection, and so on. To make this transition, they must create copies (clones) of their business information.

Oracle E-Business Suite Application clones are more complex than mere database clones. Key application information, including configuration files and patches residing in both database and application layers, must all be copied to gain a fully useable application environment clone. To perform this copying manually requires editing more than 360 commands, a tedious, error-prone process.

To simplify this challenge, Oracle created a cloning utility called RapidClone, which aids in the reconfiguration of an Oracle 12 (and 11*i*) environment, but does not actually perform the physical copying steps required to create a clone. Copying typically requires running time-consuming, host-based, bulk-copying utilities, usually when the system is offline, resulting in:

- Production application downtime
- Tedious creation and repetition of manual processes
- Network performance degradation
- Potential data corruption
- Additional time required to apply new patches or re-apply lost patches
- Inefficient refresh capability.

Solution Description

Because of the inherent complexity in Oracle application and database technologies, it is critical that robust, reliable, and tested cloning processes are in place. To meet these IT business challenges, enterprise customers need proven solution architectures that encompass the best of what Oracle, EMC, and other third-party software can offer.

The EMC® Replication Accelerator for Oracle E-Business Suite provides a validated solution and best practices for cloning the entire Oracle E-Business Suite (v12) environment. It focuses on creating a well-performing storage design for an Oracle 12 E-Business Suite application infrastructure running on an EMC Symmetrix® DMX-4 storage array. It leverages EMC replication technologies—including EMC Replication Manager with Oracle RapidClone utility—to enable high-speed replication with minimal impact to production while maintaining consistency throughout.

The EMC Replication Accelerator for Oracle E-Business Suite solution was developed to add value for our customers in Oracle E-Business Suite high-speed cloning. The Oracle Application methodology for cloning applications requires that the application and database tiers are put into a consistent state prior to replication. This feature, however, does not involve the transfer of data. This process can be complex and time consuming to complete. An operation of this scale can sometimes take days, if not weeks, to complete. The EMC Replication Accelerator for Oracle E-Business Suite v12 addresses these challenges.



Solution Value

This EMC Replication Accelerator for Oracle E-Business Suite brings you the benefits of cloning an Oracle E-Business Suite applications environment on an as-needed basis. Cloned applications enable you to create copies of your production applications that run on separate servers to perform multiple tasks simultaneously. The ability to rapidly clone Oracle E-Business Suite environments enables you to:

- Maintain a setup master environment to build other environments (before go-live)
- Enable hardware migration or data center migration
- Conduct repetitive testing from an established base to streamline test/dev processes
- Maintaining more than one copy of a production system, specifically for development, training, reporting, and other purposes
- Patch test or software upgrade test, and ensure an upgrade was successful
- Build scrubbing environments to feed data warehouses and decision support

The ability to conduct any or all of these tasks using a copy of production application data can be invaluable as you can now use your applications to derive revenue while simultaneously using them to conduct other tasks that deliver business continuity and enable better decision making or the deployment of new applications for competitive advantage.

EMC expertise in both Oracle applications and information infrastructure enables you to provide an automated cloning process that is:

- Non-disruptive: applications remain online
- Much faster and automated: cloning time reduced from 10-20 hours to about one hour
- Network traffic neutral: cloning takes place in the storage server array
- Less prone to human data corruption: repetitive manual tasks are automated
- Enhanced for applying software patches: cloning duration time is very short
- Easily refreshed: EMC Replication Manager enables easy re-cloning of Oracle Application environments



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Take the next step

To learn more about the EMC Replication Accelerator for Oracle E-Business Suite, contact your local EMC account representative, or visit EMC's website at www.EMC.com/solutions for additional information.