

Data Requirements by Environment

Environment	Purpose	Future Data Requirement	Who can access? 1,2
Patch, Demo	Vendor “vanilla” environment where vendor supplied patches are first installed/tested. Also used to reproduce bugs/problems with vendor delivered code	“Fake” data ³ , Ideally Subset of Full Database	Analysts and Developers
Prototype		“Fake” data, Ideally Subset of Full Database	Analysts and Developers
Development	Used by developers as they create/modify/replace application code	“Fake” data, Ideally Subset of Full Database	Analysts and Developers
Offshore ⁴	Development environment used by Offshore consultants.	Environment no longer needed	Environment no longer needed
Test	Used by development team as they test functionality of application code – unit, string, performance	“Fake” data, Ideally Subset of Full Database	Analysts, Developers and Testers
User Acceptance Testing	User Acceptance Testing and Quality Assurance Testing	Periodic refresh of Production data	Access to User Acceptance Testers & Analysts
Training	Training database used for hands on training, demonstrations, and user access from their desktop	“Fake” data, Ideally Subset of Full Database	Open Access
Fix	Recent copy of Production for Emergency “Fixes”	Recent refresh of Production data	Privileged Access ⁵
Production	Production	Production data	Privileged Access ⁵

¹ – Access will be granted by role and responsibility, not whether the person is a Stanford employee, on-site consultant, or off-shore consultant

² - Access levels are determined by the individual’s role and responsibility, and relates to data access not system administrative access.

³ - “Fake” data refers to replacing real information with a pseudonym or otherwise obfuscated. “Fake” data can be the entire data set or selected sensitive data elements. For example the “Fake” data would associate an EmplID with alternative information for key fields. This alternative information must be consistent across systems that interact, interface, and integrate with each other.

For example:

EmplID 12345678, Name John Doe, National ID 123-45-6789 becomes
EmplID 12345678, Name Mickey Mouse, National ID 135-79-2468 across PeopleSoft, Oracle Financials, and Stanford’s Registry systems including all Development Reporting Environments.

⁴– Offshore environment will no longer be needed as we move forward with the requirement that Production data NOT be retained in the Patch/Demo, Prototype, Development or Training environments regardless of who has access to these environments.

⁵– “Privileged” Access is limited to a small number of individuals based on the roles and responsibilities of their jobs.