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This document details the improvements made to Project Accelerator since its launch in December of 2012. Check it out at [project.citrix.com](http://project.citrix.com)











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Version	Date	Change type	Description
<b>XenDesktop 7.1</b>			Our XenDesktop 7.1 (Bruin) release is here. We are so happy to be supporting Citrix's latest XenDesktop architecture and allow our customers to use Project Accelerator to design their project based on Citrix' improved desktop and app virtualization solution.
0.7	Jan 9, 2014	 New	Project Accelerator now supports XenDesktop 7.1 via updated logic that understands leading practices and design constraints for that release. We improved or fixed 35 calculations as part of this release. To use it create a new project, or change the version question on the Define Projects page for any existing project.
		 New	An Operating System decision was added to the Desktop drawer of Design to allow users to specify the preferred operating system for each user group
		 Better	Improved support for OnDemand applications when they are used with another FlexCast model and desktop
		 Better	Updated Scalability constants based on most recent lab test results
		 Better	Added 0.75 as a RAM per desktop option since this is a supported configuration for Windows XP desktops
		 Better	Provided a workaround to address output rendering failures when there are large numbers of user groups and applications
		 Better	Added dependencies between Operating System and IOPS, Cache, and RAM per Desktop decisions and also added dependency between Imaging Solution and IOPS decision




















0.7	Jan 9, 2014	 Fixed	Fixed IOPS mismatch issue for XenDesktop 7.1 by improving XenApp calculations within each user group
		 Fixed	Fixed issue where Operating System decision did not appear if a user group that previously had its imaging set to “Use Existing” was changed to “Create New”
		 Fixed	Fixed a typographical error on the Links Apps to User Groups page
		 Fixed	Fixed an issue in the math for calculations of vCPUs to account for hyperthreading
		 Fixed	Fixed numerous issues with the implementation of calculations of Compute, Memory and Storage for XenDesktop 7.1 (Bruin)
		 Fixed	Fixed some calculations for shared XenApp servers (anomalous applications) to use a light XenApp workload
		 Fixed	Improved some XenDesktop 5.6 logic calculations based on known improvements to XenDesktop 7.1
0.4.1	Dec 2, 2013	 Better	The total of individual sizing plan rows and the grand total at the bottom of the page may differ due to rounding. More information is provided to help users understand any discrepancies.
		 Better	The HDX icon was removed from the lines which connect the user layer to the access layer as it was misleading in some cases.
		 Better	PVS server RAM calculations no longer assign 2GB for every user group that utilizes PVS. Instead, PVS server RAM calculations only assign 2GB of RAM for each unique image hosted.
		 Better	XenApp servers allocation was improved. Data center calculations now factor in applications delivered from a shared XenApp server. Also image sharing calculations and related swap files were improved when fractional XenApp servers are considered.




















		 Fixed	Updated logic to ensure that a single Hosted Shared VM does not span multiple hosts.
		 Fixed	Logic was corrected to not allow MCS imaging when XenApp 6.5 will be used for Hosted Shared user groups.
		 Fixed	The total cache size logic now factors in complete XenApp servers instead of the fractional servers that sometimes resulted from other calculations.
<b>Design Release</b>			In November, we released “Customize My Design”. We listened to your feedback and have delivered the ability to change FlexCast, application delivery, profiles and over 30 other Design decisions for your XenDesktop, XenApp, and XenClient projects.
0.4	Nov 14, 2013	 Better	The HDX icon was misleading and was removed from the Architecture Diagram
		 Fixed	The total row in the sizing and deployment plan and other logic for Hosted Shared desktops had their rounding calculations adjusted to be more accurate.
		 Fixed	If the preferred imaging solution is manual, the Desktop layer no longer shows a personal vDisk nor does the sizing logic allocate for one.
		 Better	Pooled VDI and Assigned VDI user groups can now share the same image.
		 Fixed	PVS server RAM calculations are improved to only assign 2GB of RAM for each unique image hosted.
		 Fixed	Accelerator improves its factoring of applications delivered from a shared XenApp server.
		 Fixed	Updated logic to ensure that a single Hosted Shared VM does not span multiple hosts.
		 Better	Image sharing and cache are now factored when estimating number of XenApp servers required.
		 New	Allow users to see and update FlexCast Models, Application Delivery, Policies, Profiles, Hypervisors, Storage Types and many other design variables using an approach of providing a recommended value based on previous answers and allowing the user to pick from a range of credible choices based on Citrix Consulting experience.

		 New	Allow Original and Customized values to be compared quickly via a toggle on each Project Accelerator output. This means that users can see the most recent Sizing and Deployment Plan and architecture diagram but also compare them to the Citrix recommended value based on answers during the Assess phase.
0.3	Oct 23, 2013	 Better	Recommend VDI, Shared, and Control hypervisor based on organization skillset but allow user to override that choice and cascade that decision to recommended storage type and host and pool values.
		 New	Allow user and computer policies to be decided as an aggregation of required baseline policy and options for Security and Network with recommendations based on user group selections during Assess
		 Fixed	Improve support for IE9 and IE10
		 Better	Improve Decision labels to make them more user-friendly
		 New	Enable user to choose storage technology for MCS when MCS is a recommended option
		 Better	Improve home page video
		 New	Add a learn more page to more fully describe the purpose and value of Project Accelerator
		 New	Recommend a cache size based on Assess answers and FlexCast but allow user to change the value
		 Better	Enable user to choose storage technology from the recommended choices for each hypervisor. Remove option for local storage until more validation can be done so that it can be credibly recommended.
		 Fixed	Provide better advice on how to use Sizing and Deployment Plan
		 Better	Update Home page Images to be more representative of current release
		 Fixed	Allocate a SCVMM server when HyperV is being used as a hypervisor




















		 Better	Provide architect comments as guidance for each Design decision. Base the information on the latest recommendations from Citrix architects and real world field experience.
0.3	Oct 23, 2013	 Better	Update Citrix recommended values when a dependent item changes in Project Accelerator
		 New	Add advice on using AppDNA during Application deployment decision
		 Fixed	Improve accuracy of hardware sizing based on field experience on XenApp and XenDesktop scalability
		 Better	Change recommended values for RAM and Cores needed for some Design Decisions
0.2.2	July 09, 2013	 Better	Sizing and Deployment Plan – We improved XenDesktop and XenApp hardware recommendations by focusing sizing on cores, RAM, and storage. It is better to derive server counts from cores and RAM, so we removed the server column. But if you need a direct server count from us, use the host numbers on the <i>Recommended Architecture</i> diagram
		 Fixed	We improved the logic for projects that have users groups with a small number of users. In the past, sometimes we were suggesting more hardware than was needed. That issue has been addressed.
0.2.1	June 11, 2013	 Better	During June, we applied a “Constant Updates” improvement for Project Accelerator. Later in June we released the constant updates Quality Improvement. It incorporates new recommendations from Citrix Consulting on the number of users that can be supported on Hosted Shared desktops across various workloads
0.2.0	June 03, 2013	This release was the culmination of four months of development activity to improve the quality of the Beta code we released in December. We chose to rewrite portions of the application to improve performance and improve the ability to handle larger deployments. Specifically we now handle up to 50 user groups (from 10), 1500 applications. We also addressed our number #1 enhancement request, Export to PDF!	
		 New	Sizing Plan and Architecture outputs can now be exported to Acrobat (PDF) files with the click of one button
		 Fixed	Assess - Define User Groups - We are not storing Organization's business priorities correctly in database




















		 Fixed	Assess - Define Organization non-integer error message for value 12345678901
0.2.0	June 03, 2013	 Fixed	Your Projects Page - Row coloring issues after pagination
		 Better	Assess - Define User groups - User can add more than 10 User groups and have user groups with the same name
		 Fixed	Your Projects -Project names do not wrap
		 Fixed	Assess - Define Applications - Import a List of Applications popup - user should be able to click anywhere on the browser file box to browse the file
		 Better	Watermark Style name isn't removed after data center is selected
		 Fixed	Assess - Define User Groups - We are not storing Organization's business priorities correctly in database
		 Fixed	Assess - Define Organization non-integer error message for value 12345678901
		 Fixed	Assess - Link Apps to Users - Clone Apps - Save changes warning message should display when user clone apps and switches to another user group without saving them
		 Fixed	Assess - Define Apps - Upload Apps - user needs to have an error message when upload fails
		 Fixed	Migrated Projects: Colors for User groups in both outputs are not being migrated
		 Fixed	Assess - Define Applications - Number of apps counter does not increase the number until user refreshes the page
		 Fixed	Project Accelerator - Pagination - User Group creation should reset pagination to first page
		 Fixed	Assess - Define User Groups - Pagination - page 3 of 3 not shown when on last page
		 Fixed	Latest Chrome - "Why We Ask" content container UI Issue
		 Fixed	Link Apps to Users - Common apps should be linked and saved by default for all user groups when user goes from Define apps to Link Apps to users and user should not get a pop-up message
 Fixed	Link Apps to users - 0 apps selected message displays for a few seconds when refresh the page or going to Link Apps to Users page		




















		 Better	Citrix Key Client authentication issue
		 Fixed	Congratulations Page - Sizing Plan and Architecture Diagram links should not be visible on Left side (only for Congratulations Page)
0.2.0	June 03, 2013	 Better	Assess - Define User Group - First field in the newly added user group should have cursor instead of "Enter user group name" field (happen at addition of first user group)
		 Better	Assess - Link Apps to Users - When switching between user group after unselecting/selecting all apps does not trigger a message
		 Fixed	Assess - Link Apps to Users - All User groups (from the drop-down list) font color changes to orange when warning applies to only one user group
		 Fixed	Architecture Diagram - Disconnect Connect line and Control Link icon aren't aligned in Print Preview
		 Fixed	User groups sometimes disappear on page refresh
		 Better	Update architecture diagram to include the legend
		 Fixed	Link Apps to Users - Newly added Common apps of the project does not get checked by default if user has visited Link Apps to Users once and linked at least one app
		 Fixed	Assess - Project Accelerator - Define User Groups - Zero allowed for Number of Users
		 Fixed	IE8 and 9 - The percentage next to the Progress Bar is clipped
		 Fixed	Assess - Link apps to Users - Submit action throws unexpected error and application takes user to Define Applications page
		 Fixed	Assess - Link Apps to Users - When there is only one user group in the list then we do not need to show the selection menu
		 Fixed	Https redirect not working
		 Fixed	Assess - Define User Groups - User should not be able to delete last user group
		 Fixed	Your Projects Page - Project list should be sorted by Created On
 Fixed	Assess - Define Applications - We need to come up with a message for application list exceeds maximum limit		
 Fixed	Assess - Define Application - User does not get Alert message when more than 4 technically challenging apps		
 Fixed	Free Get Started throws 404 error when not logged in user tries to access		




















		 Fixed	Assess - Define Organization - Number of Computer users in organization - number of digits allowed to this field is 9
		 Fixed	Login from Citrix.com does not work on Production and QA
		 Fixed	Assess - Link Apps to Users - Display an error message when no apps selected and user tries to click Submit
		 Fixed	Assess - Define User Groups - Warning message icon is missing when try to expand another user group
		 Fixed	Assess - Define Applications - Manual Option to create application blocked from operation after file upload
		 Fixed	Assess - Project Accelerator - Define User Group - Selecting No on user group deletion conformation does not work and blocks progress on site
0.2.0	June 03, 2013	 Fixed	Assess- Link Apps to Users - "- Select one - " should not be listed in User group drop-down
		 Better	Improve validation for Application Uploads
		 Better	Update style of Clone App Menu
		 Fixed	Export to PDF - User always sees first datacenter name on the PDF result
		 Fixed	Define Applications - Long Applications Names entered manually cause "Unexpected error"
		 Fixed	Project Accelerator - Project number remains constant for user such that the user is always taken to the same project and never a new one
		 Fixed	Assess - Define User Groups - Add button should be disabled until user finishes previously added group
		 Fixed	Project Accelerator - Landing Page - Logged in user should have "View Your Projects" or "Start a Project" banner
		 Fixed	Define Organization - Leading Space in Number of computer users field causes Non-integer character error
		 Fixed	Assess - Link Apps to Users - User should be able to see both alerts at a time
		 Fixed	Your Projects Page - Created On date format should match with what we have in production
		 Fixed	Assess - Define Applications - Delete does not delete
		 Fixed	Assess-Define Organization Default value of Zero present in the question Number of Computer users is not consistent with mock ups



























0.2.0		 Fixed	Add Project Counter to the new Project Accelerator Home Page
		 Fixed	Assess - Link Apps to Users - check box style on selection has issue
		 Fixed	Import List dialog: When you click Upload, button caption changes to Cancel
		 Fixed	Beta- IE8 - drop down selection on User groups has UI issue
		 Fixed	User Groups - User cannot add user group even though that name is not already added
		 Fixed	Unable to add another user group after deleting an unsaved user group
		 Fixed	Arch diagram & Sizing chart – improve warnings on page
	June 03, 2013	 Fixed	Learn more page throwing Page Not found
		 Better	Improve Performance of Organization Page
		 Fixed	Assess - link apps to user groups - Clone Apps from menu
		 Fixed	Assess - Link Apps to Users - No Warning message when Light selected for Workload requirements on Define User group and One Resource intensive app assigned to that user group on Link Apps to Users
		 Fixed	Assess Phase - Define User Groups - Title "User Group Name" and Why we ask are missing
		 Fixed	Assess - Define Applications - Automated tools - We need to change button from DONE to Close
		 Fixed	Update Upload button style in Import Apps popup
 Fixed	Define Apps - Same app with different case should not be added twice		
 Better	Improve Styling and Flow of Landing Page		
 Fixed	Assess - Define Applications - application error on upload of less than 2000 applications when yes is answered for all questions		
 Fixed	Assess - Link Apps to Users - Application order should be alphabetical order		
 Fixed	Assess - Define User Groups - Possible infinite loop detected on 11th User Group creation when the previous 10 each had a unique Data center		

		 Fixed	Assess - Define Project - Back button is missing on Define Project page
		 Fixed	Define Organization: Skillset is not saving
		 Fixed	Pagination on Define User Groups and Applications is slow
		 Fixed	Define Applications - base Applications - We are matching the recommendation panel answers with the selected answers.
		 Fixed	Your Projects page - seems like page throws error for all users other than Admin
		 Fixed	Assess - Define User Groups - When there is 2 lines of message, the message does not look centered
		 Fixed	Define Apps, Define User Groups, Link Apps to Users - list should be display in alphabetical order
0.2.0	June 03, 2013	 Fixed	Registration form - you will see registration form multiple times
		 Fixed	Second question on Define Project says "Define Project" which is incorrect
		 Fixed	Migration - Define Applications - Suggestion box for base applications are not migrated
		 Fixed	Link Apps to Users - we are missing number of linked apps count
		 Fixed	Assess - Login - redirect url reference Server Error was fixed
		 Fixed	Assess - Define User groups - Adding 2nd user groups removes data entry from the previously added user group on the page
		 Fixed	IE-9 - Sizing Chart - export to PDF - user group icons look choppy
		 Fixed	Assess - Project Accelerator - Define User Groups - Sort order appears random after a page refresh
		 Fixed	Assess - Link Apps to Users - for consistency we need to reorder the icons
		 Fixed	Assess - Define Applications - Adding a manual app (other than from the suggestion list) using enter key throws a warning message
		 Fixed	Assess - Define User groups - my project went to the state where I'm keep getting unexpected error on Define User groups when trying to add user group
 Fixed	Migration - If project is created with no Project name and no org name in production then after migration it throws an exception		

		 Fixed	Assess - Project Accelerator - Define User Groups - Typo in Workload Requirements
		 Fixed	Assess - Define User Group - datacenter from the delete user group is still displays in the datacenter list while adding a new user group
		 Fixed	Assess - Link Apps to users - Clicking Next button for pagination causes number of apps per page to 20 on Link Apps to Users
		 Fixed	Assess - Project Accelerator - Pagination - Page always shows 20 results
		 Better	Add proper MIME type for Font face file extensions
		 Fixed	Assess - Link Apps to Users - Submit should verify apps are linked or not for All the user groups
		 Fixed	SSO from Citrix.com to Project-QA does not work
0.2.0	June 03, 2013	 Better	Fix Data Index for projects so that in the Your Projects page, we can sort them by date created
		 Fixed	Assess - Recommended Architecture - User Group in diagram does not match the selected Datacenter
		 Fixed	Assess - Link Apps to Users - 2nd file upload does not remove already linked apps and does not preselect all common apps on Link apps to users
		 Fixed	Assess - Define User Groups - needs one space in the warning message when user tries to Save & Continue without saving a user group
		 Fixed	Assess - Define Apps or Define User Groups - User can add an application or add a user group even though the other Drawer is open
		 Fixed	Assess - Link Apps to Users - Technically challenging app best practice alert do not need to be displayed on Link apps to Users
		 Fixed	IOPS does not match on Sizing chart
		 Fixed	IE9 - Architecture diagram - some text are overlaps and icons look choppy too
		 Fixed	Assess - Define Applications - We need to design the alerts for the prepopulated answers
		 Fixed	Project Accelerator link at top left corner has http encoded and causes issues when activated
		 Better	Improve performance of Link Apps to User Groups
		 Fixed	My Projects Table Pagination header has display issues

		 Fixed	Exporter is being halted half way through an export
		 Fixed	Assess - Links to Apps - Clone Apps from drop-down should not contain the currently selected User group
		 Fixed	Assess - Link Apps to Users - Save Apps for this user group - If there is an error message then user should be anchored to the top of the page
		 Fixed	Assess - From Your Projects page user should go to the step/page from where they should start answering the required question
		 Better	Modify Architecture Diagram to support 50 user groups
		 Fixed	Assess - Define Application - Common apps selection should not be selected by default for pre defined applications list
		 Fixed	Assess - Project Accelerator - Define Project - All radio buttons can be lit
0.2.0	June 03, 2013	 Fixed	Assess - Link Apps to users - error message is so close to the User Group selection box
		 Fixed	Assess - Define User Groups - Page locked up on deletion
		 Fixed	Link Apps to Users - When user submit project user gets pop up message saying need to link apps for the following user groups even though apps are already linked
		 Fixed	Assess - Define User Groups - Number of apps counter does not increase the number until user refreshes the page
		 Fixed	Migration - Exception because of Base Apps names are null
		 Fixed	Unsupported browser message is not displaying
		 Fixed	Assess-Define Application - pagination numbers indication is not correct
		 Fixed	Assess - Define Apps - answers selections (yes or no) for all the questions are in reversed order
		 Fixed	Assess - Define Apps - User should anchor to the error message or top of the drawer when user clicks Save button without application name
		 Fixed	Your Projects page - Team member is 0
		 Fixed	Assess - Link Apps to Users - icons are not lined properly
 Fixed	Migration -Latest on QA - Citrix recommendation message does not get migrated for base applications on Define Applications		

		 Fixed	Sizing Chart - Capitalize the first letter of total
		 Better	Architecture Diagram - Technically Challenging apps and Resource intensive is always showing n/a
		 Fixed	Assess - Project Accelerator - Lakeside FastTrack - Project ID is not unique always a 1
		 Fixed	Assess - Define Application - text in suggestion box for base applications is not centered
		 Fixed	Assess - Link Apps to Users - Common apps are not selected by default
		 Fixed	Assess - Define Apps - Too many technically challenging alert always says 4 apps are technically challenging
		 Fixed	Assess - User Groups color should be consistence through out the site -( Link Apps to User, Sizing chart and Architecture diagram)
0.2.0	June 03, 2013	 Fixed	Assess - We need to standardize the number of item in the list on all Pagination pages on Project Accelerator
		 Fixed	Assess - Navigation - Checkmarks disappear and loses steps navigations with 2nd time save and continue
		 Fixed	Link Apps to Users - user group name has black color fonts
		 Better	Revisit Title Tag, with Meta Description (see description)
		 Fixed	Arch diagram & Sizing chart - Currently all users can access each other's sizing chart & arch diagram if they know the URL
		 Fixed	Link Apps - Warning Messages in are displaying variables rather than text
		 New	New Notification Widget that provides information to the user on changes to their project driven by new release of Project Accelerator
		 Fixed	Sizing & Deployment Plan - Blue underlined text indicates links, but no links are provided
		 Fixed	Fix Landing Page code - footer link results in 404 error
		 Fixed	Workflow - when user has no projects then "Start a Project" should be available on Landing page
 Fixed	Assess Wizard is incorrectly titled "Assessment"		
 Fixed	Allow browser support popup message to be triggered on Register page		

	 Fixed	Architecture Diagram - User group name font missing color treatment
	 Better	Enhance Accelerator masthead to be consistent with other Citrix websites
	 Fixed	User Groups with same FlexCast model and "similar by case" datacenter names are being grouped together in the desktop layer
	 Fixed	Define Organization - Number of computer users integer field box size does display all 9 digits
	 Fixed	Log in button does not change to Log out after user logins to project accelerator