LENOVO™ IMAGING TECHNOLOGY AND FIRST BOOT SERVICES

OPTIMAL OPERATIONAL EFFICIENCY AND STAFF UTILIZATION

How you provision your PCs will determine whether you get the results you expect from your investment. Our portfolio of provisioning solutions provides you with a fast, flexible, low cost solution with the perfect balance of efficiency and performance. You can shift expensive, labor-intensive desk-side tasks to an automated process that saves money and improves end-user satisfaction.

CUSTOM IMAGE DESIGN AND FACTORY LOAD

With Lenovo™ Image Design Services, you get direct access to Lenovo™ Windows engineering expertise. We provide a customized image based on the needs of your organization, maximizing your hardware investment, and saving significantly over the life of your systems. As a result, you can dramatically reduce deployment costs and realize minimal end-user disruption.

- Creation of standard, static images including installing common applications, PC Management software and running Microsoft Sysprep.
- Smart Image gives you a single, dynamic image to use across various model types.
- Image verification catches any errors before deployment to end-users.
- Secure PCs using factory encryption, antivirus installation, and system management software installation.
- Eliminates manually loading an image.

NO-TEST IMAGE LOAD

Factory Image Load of IT's Custom Image, As-Is

Most organizations want to replace the Lenovo™ preload image with their custom image. For those who already have the image created, you may only need for Lenovo™ manufacturing to load it for you. Lenovo™ will load your custom image, as-is, after we verify the system will successfully boot. No-Test image load is the solution for IT departments who just need help with loading their custom image.

ESSENTIAL IMAGE LOAD

Clean, Simple Factory Image Load

Organizations with a Microsoft volume license agreement who create and manually load their custom image or those who plan to use the dynamic provisioning package through Windows 10, should choose the Essential Image Load from Lenovo™. Systems will arrive with only the OS and Drivers loaded and none of the typical preload applications.

LENOVO™ CLOUD DEPLOY

Imaging Made Easy

- Quick Image: The Cloud Management Tool is a client-based application that interacts with the Lenovo™ secure cloud to capture, upload and download your image from the computer's hard drive, in real-time. Lenovo™ will grant you access to the web portal where you can upload your custom image or download a custom image created on your behalf by Lenovo™.
- Cloud Recovery: Lenovo's secure cloud portal and your unique credentials lets you store your custom image in the cloud, ready to be accessed by mobile users anywhere, anytime from all over the world.

HOW CAN FIRST BOOT SERVICES HELP YOU?

Creating and loading an image includes unattended processes that must be completed before a technician or end-user can use a PC.

For example:

- Microsoft Sysprep process
- Driver installation
- Common applications that must be installed per PC/User Antivirus, LANDesk, SCCM, and much more.
- Encryption of a hard drive

Typical PC deployments can take weeks or months of an IT department's time. Each new PC must be customized for a particular environment and again, for a given user. Lenovo's First Boot Service takes all of the technician time to perform tasks like encryption, loading common applications and more and moves them into Lenovo's manufacturing. As a result, the systems arrive, ready to work, saving you valuable time, resources and cost, in the initial deployment process.

FIRST BOOT SERVICES - SAVE TIME AND MONEY

First Boot Services' two phases are typically executed consecutively. Phase One is executed in Lenovo™ manufacturing. PCs are then shipped to the customer ready for Phase Two execution. This saves customers from 30 minutes to in excess of 1 hour of deployment time per PC.

Deployment Function	**Required Deployment Time (Minutes)**	**Deployment without Lenovo's Manufacturing Image Load or First Boot Services**	**Deployment with Lenovo's Manufacturing Image Load**	**Deployment with Lenovo™ Manufacturing Image Load and Lenovo's First Boot Services**	**Deployment with Lenovo™ Manufacturing Image Load, First Boot Services and Automated Deployment**
Image Load to Disk Drive	30 Minutes	DESKSIDE ENGINEER	MANUFACTURING		
Run Microsoft Sysprep Process	5 Minutes		DESKSIDE ENGINEER	FIRST BOOT SERVICES	
Install Antivirus Software	5 Minutes				
Install LANDesk / SCCM Software	5 Minutes				
Install Additional Common Applications	5 Minutes				
Install Drivers	20 Minutes				
Encrypt Drive	120 Minutes				
Join Domain	5 Minutes			DESKSIDE ENGINEER	USER SELF INSTALL ADVANCED DEPLOYMENT SERVICES
Install Specific Applications	40 Minutes				
Restart System for End-user Use	2 Minutes				
Migrate Data and Settings	60 Minutes				
Total Deskside Engineer Deployment Time		297 Minutes	267 Minutes	107 Minutes	0 Minutes
Deployment Time Savings*		0 Minutes	30 Minutes	190 Minutes	297 Minutes
* This time savings example varies by customer depending on their solution.			**Good**	**Better**	**Best**

Lenovo's First Boot and Advanced Deployment Services streamline the deployment process providing a fast, flexible and low cost solution that improves accuracy and minimizes or eliminates technician touch-times. Lenovo™ Imaging Services leads the industry with unique offers and are part of a comprehensive portfolio of award winning services supporting the entire life cycle of your PCs. For more information on these or any of Lenovo™ Services, visit **www.lenovo.com/services** or call your Lenovo™ sales representative. **1-855-253-6686**

Lenovo Services

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