

LENOVO'S TRANSITION SERVICES IMAGING TECHNOLOGY – FIRST BOOT SERVICES

How you provision your PCs will determine whether you get the results you expect from your investment. Lenovo's First Boot and Advanced Deployment Services provide customers with a fast, flexible, low cost solution with the perfect balance of efficiency and performance. We shift expensive, labor-intensive desk-side services to an automated process leveraging industry best-practices.

HOW CAN FBS 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, etc.
- Encryption of a Hard Drive

PC deployment times increase because this initial process must be completed before final configuration of the PC can take place. In fact, it can often take 1 to 2 hours to boot each new PC and customize it for a given environment or user. Lenovo's First Boot Service (FBS) can streamline this effort for any image type. FBS takes all the unattended first boot processes and pulls the work into Lenovo® manufacturing. As a result, you save valuable time, resources and cost in the initial deployment process.

FBS PHASE ONE

Phase one takes place at Lenovo's manufacturing site and includes installation of common solution image requirements, PC requirements and solution features that do not require access to the customer's network environment.

This includes installation of:

- Base Operating System
- Device Drivers
- Security Updates
- Common Operating System Enhancements
- Common Applications

DURING FBS PHASE TWO DEPLOYMENT

FBS Phase Two is reserved for the installation of applications that are end-user, business unit, or language specific and any process that requires a network environment for joining the domain or migrating end-user data.

FBS MEANS SAVING TIME AND MONEY

FBS' 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 20 minutes to in excess of 1 hour of deployment time per PC.

The following illustrates the significant time savings realized with Lenovo's First Boot and Image Load Services. As shown below, Lenovo's Manufacturing, Image Load and FBS save 71 minutes for each PC deployed. Cost savings can be \$50,000 to \$120,000 for a typical deployment of 1000 PC's.

DEPLOYMENT FUNCTION	TIME TO DEPLOY	FIRST BOOT SERVICES PHASE	DEPLOYMENT WITHOUT LENOVO'S MFG IMAGE LOAD OR FIRST BOOT SERVICES	DEPLOYMENT WITH LENOVO'S MFG IMAGE LOAD	DEPLOYMENT WITH LENOVO MFG IMAGE LOAD AND LENOVO'S FIRST BOOT SERVICES		
Image Load to Disk Drive	30 Minutes	PHASE 1	CUSTOMER		MFG		
Run Microsoft® Sysprep Process	20 Minutes						
Install AntiVirus Software	5 Minutes						
Install LANDesk/SCCM Software	5 Minutes						
Install Additional Common Applications	10 Minutes						
Shutdown	1 Minute						
Deployment Menu Interview	2 Minutes	PHASE 2					
Join Domain	2 Minutes						
Install Specific Applications	10 Minutes						
Restart System for End-user Use	2 Minutes						
TOTAL CUSTOMER DEPLOYMENT TIME			87 MINUTES	57 MINUTES	16 MINUTES		
DEPLOYMENT TIME SAVINGS*			0 MINUTES	30 MINUTES	71 MINUTES		
*This time savings example varies by customer depending on their solution.				BETTER	BEST		

FIRST BOOT SERVICES USE CASES

FBS can be coupled with a customer-supplied solution or a Microsoft® Deployment Toolkit Solution to enable the execution of certain task sequence elements in Lenovo's manufacturing environment. This reduces the time needed for initial deployment upon receipt of your PCs.

FBS INTEGRATED WITH ADVANCED DEPLOYMENT SERVICES

Lenovo's Advanced Deployment Service (ADS) is a customizable installation wizard that intuitively automates the PC deployment process from within the image. FBS can be incorporated into an ADS solution, allowing installation and setup of Phase One elements in manufacturing. By automating desk-side configuration and data migration within the image preload at manufacturing, FBS plus ADS can reduce technician touch-time to a few minutes or zero. ADS and FBS can be integrated with either a customer-supplied image or Lenovo-developed image, doubling the savings and benefits realized in deployment.

WHY USE LENOVO IMAGING TECHNOLOGY CENTER?

- Over 200 years of combined imaging experience
- Direct engineer-to-customer relationship for scope of project
- Solution architects skilled in developing imaging strategy
- Custom Imaging Process standardized globally
- Established in 1996
- Four locations with worldwide coverage
- ISO 9001 and ISO 14001 certified
- Over 8,000,000 custom images deployed to over 3,000 customers

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 lifecycle of your PCs. For more information on these or any of Lenovo Services, visit www.lenovo.com/services or call your Lenovo sales representative.

Lenovo Services