

# Lean Manufacturing for Microsoft Dynamics® AX 2009

## What's New

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## ***Introduction***

Microsoft Business Solutions acquired Lean Manufacturing for Microsoft Dynamics from eBECS Ltd. in April 2007. The product versions for Microsoft Dynamics AX 3.0 (formerly known as Microsoft Business Solutions–Axapta 3.0) and Microsoft Dynamics AX 4.0 are provided and supported by eBECS, as a contractor for Microsoft Business Solutions. The product version for Microsoft Dynamics AX 2009 is provided and supported directly by Microsoft Business Solutions.

The following information describes the dependencies that exist in Lean Manufacturing for Microsoft Dynamics 2009. In addition, there are descriptions of the specific features that are available in the product.

- Versions of Microsoft Dynamics AX
- Languages and localization
- Setup
- Upgrade
- Multisite
- Roadmap
- Lean Center of Excellence
- Financial dimensions
- General disclaimers

## ***Versions of Microsoft Dynamics AX***

Lean Manufacturing for Microsoft Dynamics AX 2009 is released for Microsoft Dynamics AX 2009 SP1. The Lean Manufacturing solution is shipped as a SL1 layer that can be installed in a standard installation of Microsoft Dynamics AX 2009 SP1. The layer concept of Microsoft Dynamics AX 2009 allows multiple SLx layers to be merged in one runtime environment. However, Microsoft only directly supports Lean Manufacturing for Microsoft Dynamics AX 2009 when it is not merged with other SLx layers.

## ***Languages and localization***

Lean Manufacturing for Microsoft Dynamics AX 2009 is available only in U.S. English. There are no country-specific localizations.

## ***Setup***

To view the Installation Guide, follow this link:

[https://mbs.microsoft.com/downloads/partner/AX/Releases/LeanManufacturing\\_Installation.pdf](https://mbs.microsoft.com/downloads/partner/AX/Releases/LeanManufacturing_Installation.pdf).

## ***Upgrade***

Lean Manufacturing for Microsoft Dynamics AX 2009 has the same architecture as in earlier versions of Microsoft Dynamics AX 3.0 and Microsoft Dynamics AX 4.0, where it was provided in a BUS layer. By moving to a Microsoft controlled layer, all object IDs are changed. This is supported by the delivered upgrade scripts that support the upgrade from Microsoft Dynamics AX 4.0 to Microsoft Dynamics 2009.

## Removed modules and features

The following modules and features that were available for Lean Manufacturing for Microsoft Dynamics AX 4.0 are not released as part of Lean Manufacturing for Microsoft Dynamics AX 2009:

- eAlerts (purchase kanban, Subcontracting Kanban)
- Flow Schedules
- Quality Module
- VMI (Vendor Managed Inventory)
- Lean Warehouse
- Purchase Schedules
- Auto Payment
- Intercompany
- Assembly Planning
- Trigger
- External WMS interface

This list includes only the high level modules and features. Some of these modules are available from eBECS as add-ons to Lean Manufacturing for Microsoft Dynamics AX 2009.

## ***Multisite***

To use Lean Manufacturing, Microsoft Dynamics AX 2009 should be set up with a multisite environment, even if only one site per company is modeled. Microsoft Dynamics AX 2009 has a number of regressions in the non-multisite environment (standard cost is one of them). Lean Manufacturing for Microsoft Dynamics AX 2009 has been upgraded and tested specifically for use in a multisite environment. In future releases of Microsoft Dynamics AX, the multisite mode will be mandatory.

Lean Manufacturing for Microsoft Dynamics AX 2009 is shipped with specific multisite activation scripts that assist the user in migrating to a multisite setup.

## Multisite and bill of material (BOM)

Microsoft Dynamics AX 2009 allows the usage of site independent BOMs for manufacturing. However, Lean Manufacturing for Microsoft Dynamics AX 2009 cannot use this type of BOM for manufacturing. Lean Manufacturing requires site-dependent BOMs that assign concrete warehouses to all back-flushed materials. Consider these requirements when planning to set up or import master data into Microsoft Dynamics AX.

## ***Roadmap***

For the next major release of Microsoft Dynamics AX, Lean Manufacturing will be supported by a new architecture that will reside in the SYS layer of the application. This release will have some functional regressions that are related to Lean Manufacturing for Microsoft Dynamics AX 2009. These are:

- Purchase kanbans
- Subcontracting kanbans

Due to architectural issues, the upgrade process to the next major release will include manual upgrade steps.

## ***Lean Center of Excellence***

eBECS Ltd., which is located in Chesterfield, England, is the Center of Excellence for Lean Manufacturing for Microsoft Dynamics AX 2009. In this capacity, eBECS Ltd. is providing training and partner certification on behalf of Microsoft.

A lean manufacturing software package does not make an organization lean. It can only lend support on the journey to a lean organization by providing the appropriate tools that are related to the level of lean maturity that exists within an organization.

To implement Lean Manufacturing for Microsoft Dynamics AX 2009, we recommend that you rely on partners that have domain expertise and appropriate knowledge of the related tools. For this reason, a certification program for partners has been created for the following focus areas:

- Sales and Presales Training and Certification for Lean manufacturing
- Consulting Training and Certification for Lean manufacturing
- Development and Support Training and Certification for Lean manufacturing

All training and certifications are provided by eBECS Ltd.

## ***Financial dimensions***

Lean Accounting used a financial dimension to consolidate costs for the value streams. In Microsoft Dynamics AX 4.0, by default the Department dimension was used. In Microsoft Dynamics AX 2009, the Department dimension is used as the default dimension for the site. Therefore, the default dimension for the Value Stream for lean accounting has been set to the cost center.

The default dimension for Lean Accounting can be set in the Lean order parameters unless no Kanban or Lean order schedule parameters are defined.

## ***General disclaimers***

### Extensions to the Microsoft Dynamics AX 2009 SYS layer

Lean Manufacturing for Microsoft Dynamics AX 2009 overwrites a number of core elements of the SYS layer in the SL1 layer. As a result, the behavior of these elements is changed. These instances of changed behavior may lead to regressions of the behavior of these elements as compared to the standard behavior that exists in Microsoft Dynamics AX 2009.

The most important of these affected elements are:

- Sales order and Sales line
- Bill of material (BOM)
- Production order
- Purchase order
- Inventory journals

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