BMC is releasing version 1.2.00 of the Cost Analyzer for zEnterprise product. Cost Analyzer is a web-based product that helps you analyze the costs of IBM software products based on a sub-capacity Monthly License Charge (MLC) contract in an IBM z/OS environment.

**Note**

Before you begin installation, BMC recommends that you check the Support Central website at http://www.bmc.com/support for:

- Updated product documentation (for example, flashes and technical bulletins)
- Product downloads, patches, and fixes (PTFs)
- Product availability and compatibility (PAC) data

These release notes supplement and supersede the product documentation and discuss product enhancements.

The following topics are discussed:

- What's new
- Software contract reporting
- Multiple report viewing
- Managing multiple cost tables
- Enhancements to Administration tools
- Enhancements to the Planning tool
- Accessing online Help
- Miscellaneous enhancements
- Installation
- CDB server system requirements
- Cost Analyzer applications server requirements
- Cost Analyzer web-browser requirements
- Update considerations
- Support status
- Product documentation
- Customer support
What's new

These topics describe the changes or new features in this release.

In general, the changes and enhancements to Cost Analyzer accomplish the following goals:

- Software contract reporting, consisting of comprehensive views of actual, projected and budgeted MSU costs
- Multiple report viewing capabilities for both the Monthly Reporting Tool and Software Contract Reporting tool
- Extensive usability enhancements to the Administration tools
- Planning tool improvements for executing batch changes and undoing actions executed in a Plan
- Context-sensitive help to access information and answers to usability questions

Software contract reporting

This release revolutionizes cost utilization reporting capabilities by adding the Software Contract Reporting tool.

MLC contract management and forecasting

The new Software Contract Summary Report provides a comprehensive look at your cost data from the perspective of both your actual usage and your projected spending for the entire duration of the contract. Both historical and projected monthly data can also be compared against budgeted allocations.
Figure 1 on page 3 shows a sample Software Contract Summary Report.

**Figure 1: Software Contract Summary Report**

The report quadrants serve as portals for drilling down into actual and projected monthly cost data to:

- Identify primary cost drivers by analyzing the individual contribution of MLC products to current spending and projected costs
- Compare current usage activity of MLC Products against activity changes from a previous month, quarter, or year
- Track metrics to identify where and when you can achieve the most cost optimization
- Monitor differences between monthly costs and budgeted allocations
- View charts of individual billing months, or aggregate the monthly costs into a cumulative arrangement

**Managing software contracts**

A new Administration tool (Manage Software Contracts) provides the ability to:

- Create and manage multiple contracts
- Define contract parameters and specify budget allocations for all periods and months
- Specify which cost tables should be applied when calculating projected costs
Ability to generate Monthly Summary Reports for cost projections

The Software Contract Summary Report provides hyperlinks that generate a Monthly Summary Report for both historic and future billing months of a contract. For any projected billing month, you can use the Monthly Reporting tool to perform drill-down analysis of projected MSU utilizations for both LPARs and CPCs.

Figure 2 on page 4 shows a projected Monthly Summary Report.

Figure 2: Monthly Summary Report (*Projected*)

Multiple report viewing

The product now supports multiple-month reporting views.

For both the Monthly Reporting tool and the Software Contract Reporting tool, you can generate and view multiple reports for analysis at the same time. Each tool provides a Create Reporting View button (●) at the bottom of the console for creating multiple views.

Managing multiple cost tables

The product now supports the creation and maintenance of multiple cost tables. You can create multiple cost tables to manage any changes to your MLC product cost arrangements.

You can use multiple cost table capabilities to:

- Maintain and manage multiple cost tables with the MSU Cost Editor to ensure that all changes to MLC product pricing are prepared in advance
- Specify which cost table is active so when price changes occur the Model Builder Tasks utilize the new pricing when building cost models.

- Track which cost table is used by a Model Builder Task.

- Designate change events when managing software contracts so projections in the Software Contract Summary Report are based on the cost table that applies to the projected utilizations.

**Note**

During installation, Cost Analyzer creates a default cost table with zero as the value for all cost coefficients and sets this cost table as active. The name of this default cost table is SPRDFIL.

If your installation replaces a previous version of Cost Analyzer, all cost coefficients from your previous cost table are preserved in the SPRDFIL cost table.

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**Enhancements to Administration tools**

The following sections describe the enhancements to the MSU Cost Editor and the Application Server Log Viewer Administration tools.

**New features of the MSU Cost Editor**

Figure 3 on page 5 shows the new MSU Cost Editor.

**Figure 3: MSU Cost Editor**

The new MSU Cost Editor provides the following enhancements:

- You can create multiple cost tables to manage changes to MLC Product pricing.
You can designate the active cost table to be utilized by the Model Builder Tasks when building the cost models.

A new column in the cost table provides details about whether a Universal Information Exchange (UIE) command NO89 is required in order to include the MLC product’s cost data in the cost models.

When you open the MSU Cost Editor, Cost Analyzer automatically checks for an update to the Product Table and provides you with the ability to install it.

**Application Server Log Viewer**

This release redesigns the Application Server Log Viewer to assist in the viewing of Model Build Log files. You can use Model Build Logs to find detailed information about every run of your Model Builder Tasks.

Figure 4 on page 6 shows the new Model Build logs in the Application Server Log Viewer.

**Figure 4: Application Server Log Viewer**

![Application Server Log Viewer](image)

The Model Build Logs now provide important information about each run of the Model Builder Tasks. You can view:

- All run dates and times of your Model Builder Tasks, which are marked with a status indicator
- Log message details for each CPC processed in the run
- Log messages for the summary run

**Note**

For troubleshooting major errors that occur when building cost models, you can now enable Trace messages for the Model Build Logs.
Enhancements to the Planning tool

This release enhances and improves features of the Planning tool.

**Ability to make plan changes in batches**

When performing exercises in a plan, you can now move multiple LPARs and workloads at the same time. You can perform the following plan changes in batches:

- Move multiple LPARs to a target CPC
- Move multiple workloads to a target LPAR

**Ability to revise plan changes**

You can now revise your plan changes by undoing any changes that you made to a Plan. When viewing your plan changes, any unwanted changes can now be marked for removal.

However, because the plan changes are listed sequentially in the order they were performed, you must work from the last change executed and remove each change in reverse order until you remove the unwanted change.

The following figure shows the Plan Changes dialog:
**Accessing online Help**

This release adds context-sensitive Help buttons throughout the interface to assist you in finding the answers to your questions.

**Miscellaneous enhancements**

This release adds the following enhancements:

- Support for Report Class workloads
- Support for the EXCLUDE89 command
  
  The EXCLUDE89 command permits you to specify intervals for exclusion from the Peak R4HA calculation either for all LPARs and MLC products, or for a specified list of LPARs and MLC products.

**Installation**

Download the latest version of the software by using the Electronic Product Distribution (EPD) facility. You can navigate to the EPD page from the Support Central website at [http://www.bmc.com/support](http://www.bmc.com/support).

*Note*

To request physical shipments, contact your BMC sales representative. Contact information is available on the BMC website.

This section contains software, hardware, or other requirements. For additional information, see the *Cost Analyzer for zEnterprise User Guide*.

**CDB server system requirements**

The CDB server requirements are as follows:

- Operating system
  
  CDB Studio Tools on the following server class operating systems:
— Microsoft Windows Server 2012 R2 (64 bit)
— Windows Server 2012 (64 bit)
— Windows Server 2008 R2 (64 bit)

CDB Server Studio Tools on:
— Windows 8.1
— Windows 8
— Windows 7

■ Database
— Microsoft SQL Server 2012
— Microsoft SQL Server 2008
— Oracle 12.1
— Oracle 11.2
— Oracle 11.1

■ Features
— You must install Microsoft .NET Framework 4.5.
— You must install and run Microsoft message Queuing Server (MSMQ).

■ Microsoft Internet Information Services (IIS)
You must install IIS and then enable the following components:
— IIS ASP.NET
— IIS Windows Authentication
— IIS Metabase
— IIS WCF HTTP Activation

■ 8 GB of memory
Cost Analyzer applications server requirements

The application server requirements are as follows:

- Operating system
  - Microsoft Windows Server 2012 R2 (64 bit)
  - Windows Server 2012 (64 bit)
  - Windows Server 2008 R2 (64 bit)

- Database
  - Microsoft SQL Server 2012
  - Microsoft SQL Server 2008
  - Oracle 12.1
  - Oracle 11.2
  - Oracle 11.1

- Additional OS features and roles
  - Microsoft .NET Framework 4.5
  - Microsoft Message Queuing Server (MSMQ)
  - Internet Information Services (IIS) for your version of Windows, with the following items enabled:
    - IIS ASP.NET
    - IIS WCF HTTP Activation
    - IIS Windows Authentication
    - IIS Metabase

- 8 GB of memory

Cost Analyzer web-browser requirements

The web-browser server requirements are as follows:
■ Operating system
  — Microsoft Windows Server 2012 R2
  — Windows Server 2012
  — Windows Server 2008 R2
  — Windows 8.1
  — Windows 8
  — Windows 7
■ Web-browser
  — Windows Internet Explorer 8 or later
  — Mozilla Firefox
  — Google Chrome
■ Latest version of Microsoft Silverlight
■ 4 GB of memory
■ Screen resolution of 1280 x 1024

**Note**
For screen resolutions lower than 1280 x 1024, BMC recommends running your web browser in full-screen mode (F11).

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**Update considerations**

When you upgrade Cost Analyzer, consider the following items:

■ If you created multiple Model Builder Tasks for different workloads, you should create a single new Model Builder Task for all workloads.

■ You must update the cost tables by using the MSU Cost Editor.

■ You must verify the CPC configuration by using the CPC Configuration Editor.
Note
Any previous cost models are compatible with this release provided that you have installed all patch releases.

Support status
You can find the support status for specific product versions on the Support Central website. Selecting a product from the “A – Z Supported Product List” shows:

- All versions of the product and their current support levels (full or limited)
- Dates on which support ends

For more information about the latest support policies, see the Support Central website at http://www.bmc.com/support.

Product documentation
From the Support Central website (http://www.bmc.com/support), you can:

- Link to the BMC Documentation Center (https://webapps.bmc.com/infocenter/index.jsp) to browse documentation sets

- View Quick Course videos (short overviews of selected product concepts, tasks, or features), which are available from the following locations:
  — Documentation Center
  — Support Central (at http://www.bmc.com/support/mainframe-demonstrations)
  — BMC Mainframe YouTube channel (https://www.youtube.com/user/BMCSoftwareMainframe)

- View individual product documents (books and notices) within the “A – Z Supported Product List”

You can order hardcopy documentation from your BMC sales representative or from the support site. You can also subscribe to proactive alerts to receive e-mail messages when notices are issued.
Customer support

If you have problems with or questions about a BMC product, see the support website at http://www.bmc.com/support. You can view or download product documents, find answers to frequently asked questions, and download products and maintenance. If you do not have access to the web and you are in the United States or Canada, contact Customer Support at 1 800 537 1813. Outside the United States or Canada, contact your local BMC office or agent.

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