



AMI[®] DCM GenAI Service Release Notes

AMI SOFTWARE UTILITY USER GUIDE

REVISION 0.5.3 – NOVEMBER 6, 2025

NDA REQUIRED



AMI® DCM GenAI Service Release Notes

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Revision History

Date	Revision	Description
Aug-29-2025	0.3.1	AMI® DCM GenAI Service for AMI® DataCenterManager. Features include user prompt/response and actions
Sep-26-2025	0.4.1	Features addition including Hierarchy, Power and Widgets
Oct-13-2025	0.5.1	Includes Local Model upgrade, Hierarchy Summary integration and Device Health Summary Widget support
Oct-28-2025	0.5.2	Added bug fixes and security fixes
Nov-06-2025	0.5.3	Added bug fixes and security fixes



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Document Information

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Description

This document provides release information of AMI® DCM GenAI Service.



[v0.5.3] - November 6, 2025

This AMI® DCM GenAI Service is an experimental feature and intended for customer evaluation. It allows users to perform actions like inventory inquiries, health checks, and device operations using natural language prompts; however, users should keep in mind its limitations and associated risks. For more information, please read the Known Limitations section.

Bug Fixes/Enhancements:

1. Added prerequisite installation script to setup runtime environment
2. EKB- 909– [Chatbot]It can't answer device number correctly when some devices have no inventory monitoring capability or inventory is not retrieved yet.
3. EKB- 931 - 'LBAA GenAI Service' Should Be Updated to 'DCM GenAI Service' in Script and README.
4. EKB-937 - [Doc]Issues in GenAI Service Installer & Uninstaller - README

Known Limitations:

1. The events widget currently can answer only about `dcm-server` events.
2. Chatbot may sometime refer to groups as clusters
3. Temperature related queries are displayed using Celsius rather than Fahrenheit.
4. Accurate answers about power, weight, and space are only given if the user provides this information when creating the entity (datacenter, room, row, or rack).
5. CVE-2025-8709
6. Security Considerations: No formal threat modeling was conducted. The chatbot accesses AMI DataCenterManager data via direct database queries, which may bypass business-logic-level protections and widen the attack surface.

Notes:

1. Context reset on performing actions
2. When an action is executed on the chat conversation, the context—including details of the action—will not carry over to subsequent user queries. Each action effectively initiates a new chat session with no reference to prior interactions.
3. Entity Name Formatting
Always enclose device, server, or group names in single quotes (e.g.,



'server name'). This ensures that the chatbot correctly identifies the entity, especially if the name contains spaces.

4. Avoid vague or complex instructions.

[v0.5.2] - October 28, 2025

Features:

1. Security fixes
2. Upgraded LangChain libraries
3. Removed setup tools from installation instance

Bug Fixes/Enhancements:

1. EKB-873 - [Chatbot]It can't give correct answers for event logs questions
2. EKB-874 - [Chatbot]It can't give accurate health status answer
3. EKB-913 - [Chatbot]It's can't answer capability related query on dc/room/row level correctly.
4. EKB-914 - [Chatbot]It can't show device detail information correctly when devices include device which is not using IPMI protocol
5. EKB-915 - [Chatbot]It can't answer "device is connected(active) or not" prompt correctly
6. EKB-916 - [Chatbot]It can't answer physical group level's data correctly
7. EKB-917 - [Chatbot]It's answer GPU inventory for device successfully
8. EKB-918 - [Chatbot]It can't show the correct hierarchy relationship
9. EKB-919 - [Chatbot]Timestamp in some widget data time zone is incorrect.
10. EKB-920 - [Chatbot]It's better to show Temperature in Fahrenheit when dcm configured temperature unit is Fahrenheit
11. EKB-921 - [Chatbot]It can't get PDU power data

Known Limitations:

1. The events widget currently can answer only about `dcm-server` events.
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3. Temperature related queries are displayed using Celsius rather than Fahrenheit.
4. Accurate answers about power, weight, and space are only given if the user provides this information when creating the entity (datacenter, room, row, or rack).
5. CVE-2025-8709
6. CVE-2025-55551
7. CVE-2025-55552

Notes:



1. Context reset on performing actions
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3. Entity Name Formatting
Always enclose device, server, or group names in single quotes (e.g., 'server name'). This ensures that the chatbot correctly identifies the entity, especially if the name contains spaces.
4. Avoid vague or complex instructions.

[v0.5.1] - October 13, 2025

Features:

1. Model Upgrade
2. Replaced *Llama3.1:8b* with *gpt-oss:20b*
3. Hierarchy Summary Integration
4. Chatbot can now answer queries only related to
 - a. Power capacity
 - b. Space capacity
 - c. Weight capacity
5. Queries are supported starting at the rack level and above
6. Device Health Summary Widget Support Added
7. Chatbot can now answer queries from Device Health Summary Widget for 'All DataCenters' level.

Bug Fixes/Enhancements:

1. AMI® DCM GenAI Service now checks if a valid version and product are sent by DCM or not and returns appropriate 422 error code if missing and logs accordingly
2. AMI® DCM GenAI Service Installer now drops views at startup and creates again for fresh installation
3. When invoked via AMI® DataCenterManager, the AMI® DCM GenAI Service will refer logical groups as 'Groups'.
4. Overall optimization and improvement

Known Limitations/Notes

1. The events widget currently can answer only about 'dcm-server' events.
2. Chatbot may sometime prefer groups as clusters.

[v0.4.1] - September 26, 2025

Features:

1. Hierarchy
 - a. Introduced chatbot support for Hierarchy. Users can now query about an entity's child or parent and its relationships.
 - b. The Hierarchy relationships cover relationships with one level of predecessor or successor only, i.e., chatbot can only answer about an entity's parent and child(ren)
2. Power Tables
 - a. Added Power tables from which users can query questions about Power, Instantaneous power and IT equipment power for devices and groups.
 - b. The Power Table feature can only answer `min`, `max` and `avg` wattage of power for an entity.
3. Widgets
 - a. Users can now ask questions about data which is shown on the dashboard widgets.
 - b. The supported widgets are:
 - i. Hierarchy Summary
 - ii. Device Health Statistics
 - iii. Temperature
 - iv. Temperature Trending by Day
 - v. Temperature Trending by Week
 - vi. Temperature Trending by Month
 - vii. Events (only for dcm-server)
 - viii. Events By Day
 - ix. Events By Category
 - x. Events By Severity

Known Limitations/Notes:

1. The events widget currently can answer only about `dcm-server` events.



[v0.3.1] - August 29, 2025

Features:

1. Compatibility – AMI® DataCenterManager version 6.1
2. Prompt query support includes
3. Inventory, Health, Temperature, Event Log, and Resource Utilization (CPU and GPU).
4. Actions
 - a. Create a New Group - Create one or more Groups at a time.
 - b. Add Devices to a Group - Add one or more devices to a group
 - c. Download SEL Log for Device(s) - Download SEL (System Event Log) for one or more devices.
 - d. Export Inventory of Group(s) - Export inventory for one or more groups
5. Clear cache option.
 - a. This allows users to clear cached data before retrying queries, helping to avoid stale responses and improving query reliability.

Bug Fixes/Enhancements:

1. Resolved hallucination due to case sensitivity in entity names

Notes

1. Context reset on performing actions
2. When an action is executed on the chat conversation, the context—including details of the action—will not carry over to subsequent user queries. Each action effectively initiates a new chat session with no reference to prior interactions.
3. Entity Name Formatting
Always enclose device, server, or group names in single quotes (e.g., 'server name'). This ensures that the chatbot correctly identifies the entity, especially if the name contains spaces.
4. Clear Prompting Required
Ensure your instructions are clear and specific so the chatbot can understand and process your request accurately. Avoid vague or complex instructions.
5. Install AMI® DCM and AMI® DCM GenAI Service in the default installation location (C:\Program Files\ami\) only.