ABB LV Installation Materials Company Limited
ABB GRMS Visualization Software Integration with Oracle Hospitality OPERA 5.5

ABB Guest Room Management System(GRMS) Visualization Software integrates with Oracle Hospitality OPERA property management system (PMS) to enable hotels to manage the energy efficiency of their guest rooms.

COMPANY OVERVIEW

ABB LV Installation Materials Company Limited (ABB) is a leading global technology company that energizes the transformation of society and industry to achieve a more productive, sustainable future. By connecting software to its electrification, robotics, automation, and motion portfolio, ABB pushes the boundaries of technology to drive performance to new levels. With a history of excellence stretching back more than 130 years, ABB's success is driven by about 110,000 talented employees in more than 100 countries.

INTEGRATION OVERVIEW

ABB provides smart automation hardware (control module) for controlling guest rooms. To provide energy efficient operations, ABB needs to know the status of the guestroom—for example, whether a guest is checked in or has checked out—in order to perform the energy efficiency functions. Therefore, in addition to the hardware control module, ABB also provides ABB GRMS Visualization Software that provides hotels with a dynamic display for monitoring of individual room statuses such as "do not disturb" and "make up room." This also enables monitoring and control of individual guestrooms' HVAC system. Hotels can adjust and change the scenario setting of the individual guestroom to cater to different seasons of the year. With the add-on property management system (PMS) integration software, ABB GRMS visualization software can interface with the hotel PMS.

INTEGRATION DETAILS

ABB GRMS Visualization Software obtains and exchanges information with Oracle Hospitality OPERA PMS for automating guest room and building functions. For example, ABB GRMS receives notification from Oracle Hospitality OPERA when guests check in and can change the room temperature from a standby mode to a comfort mode to welcome the guest. Conversely, when guests check out, ABB GRMS can set the room temperature from comfort mode to a more energy efficient standby mode until the next guest checks in.

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ORACLE Validated Integration
Oracle Hospitality

Oracle Validated Integration provides customers with confidence that a partner's integration with an on-premise Oracle application is functionally sound and performs as designed. This can help customers reduce deployment risk, lower total cost of ownership, and improve the user experience related to the partner's integrated offering.
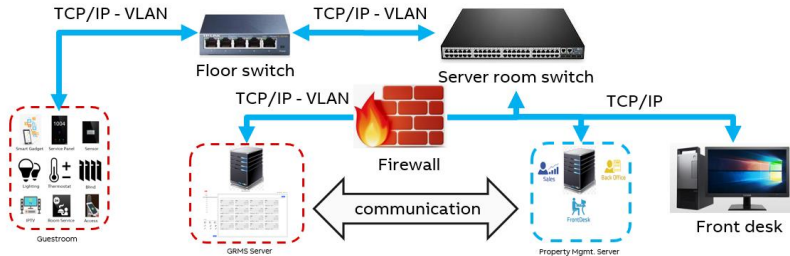
The integration also enables information to be passed from ABB GRMS Visualization Software to Oracle Hospitality OPERA PMS. When guests trigger the "do not disturb" setting, that information is passed to the PMS. When guests trigger the "make up room" setting, that information is also sent to the PMS to indicate that guest would like to have the room cleaned.

Architecture diagram

TECHNICAL DETAILS	
Partner Environment	**Oracle Environment**
• ABB GRMS PMS Interface Software: GRS/SO.0.0.1	• Oracle Hospitality OPERA 5.5 • Oracle Hospitality Interface IFC8 8.10.2.20 • Fidelio Interface Application Specification (FIAS) 2.20.24
Product ID (FKT)	**Description and Name**
• IFC_MSC / FIAS_MSC	• Oracle Hospitality OPERA MSC Interface for ABB GRMS Visualization Software by ABB LV Installation Materials Company Limited
Supported Protocols	
• FIAS via TCP/IP	

ORACLE
Validated Integration
Oracle Applications