
EMS Kiosk API Reference Guide

API Version 1.1

Dean Evans & Associates, Inc.



Copyright

Copyright © 2012 Dean Evans & Associates, Inc. All rights reserved.

No part of this document may be reproduced, transmitted or stored in a retrieval system in any form, electronic or mechanical, for purposes other than the personal use of the original purchaser except by written permission of Dean Evans & Associates, Inc.

Dean Evans & Associates, Inc.
6465 S. Greenwood Plaza Boulevard
Suite 600
Centennial, CO 80111

This document may be copied for use by individuals employed by the purchaser.

Information in this document is subject to change without notice.

EMS, the EMS logo and EMS Regics are registered trademarks of Dean Evans & Associates, Inc. Event Management Systems, EMS Enterprise, EMS Professional, EMS Lite, EMS Campus, EMS Workplace, EMS Legal, EMS District, EMS Master Calendar and Virtual EMS are trademarks of Dean Evans & Associates, Inc. Microsoft, Windows and Outlook are registered trademarks and SQL Server is a trademark of Microsoft Corporation. Lotus Notes and Domino are registered trademarks of IBM Corporation. Other products, brands and trademarks are property of their respective owners/companies.

EMS Kiosk API Reference Guide

KIOSKGETPROFILES	5
KIOSKGETPROFILESETTINGS	5
KIOSKGETBUILDINGS	5
KIOSKGETFLOORS	6
KIOSKGETROOMTYPES	6
KIOSKGETGROUP	6
KIOSKVALIDATEBYBADGENUM.....	7
KIOSKVALIDATEBYEXTERNALREFERENCE	7
KIOSKVALIDATEBYPERSONNELNUM.....	8
KIOSKGETEVENTS.....	8
KIOSKGETRESERVATIONS	9
KIOSKENDNOWRESERVATION.....	9
KIOSKCANCELRESERVATION	10
KIOSKLOCATEPERSON	10
KIOSKGETFLOORSANDROOMTYPES	10
KIOSKGETROOMAVAILABILITY	11
KIOSKADDRESERVATION	12
KIOSKADDRESERVATION2	12
KIOSKGETEVENTTYPES	13
KIOSKGETALLROOMS	13
KIOSKGETROOMCOMBOCOMPONENTS	14
KIOSKGETCHECKINSTATUS	14
KIOSKCHECKINCHECKOUT	15
KIOSKADDROOMTOPROFILE	15
KIOSKGETROOMSBYSETUPTYPE.....	15

API Functions

KioskGetProfiles

Description

Returns a list of active Kiosk Profiles

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String

Response Elements

Name	Description	Type
ID	Kiosk Profile ID	Integer
Description	Kiosk Profile Description	String

Notes

* Indicates required field.

KioskGetProfileSettings

Description

Returns a list of settings for a specific Kiosk Profile.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer

Response Elements

Name	Description	Type
Description	Parameter Description	String
DisplayValue	Parameter Text Display Value	String
Number	Parameter Numeric Value	Integer

Notes

* Indicates required field.

KioskGetBuildings

Description

Returns a list of buildings available for a specific Kiosk Profile for Today's Events.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer

Response Elements

Name	Description	Type
Description	Building Description Text	String
BuildingCode	Unique Building Code	String
BuildingID	Building ID	Integer

Notes

* Indicates required field.

KioskGetFloors**Description**

Returns a list of floors for a specific Kiosk Profile for Today's Events.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer

Response Elements

Name	Description	Type
Floor	Floor Description	String
SeqNo	Floor Sequence Number	Integer
FloorID	Floor ID	Integer
BuildingID	Building ID	Integer

Notes

* Indicates required field.

Floors CAN be associated with more than one building.

Passing in a value of zero for the ProfileID will return ALL (active) floors in the database.

KioskGetRoomTypes**Description**

Returns a list of room types for a specific Kiosk Profile for Today's Events.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer

Response Elements

Name	Description	Type
Type	Room Type Description	String
RoomTypeID	Room Type ID	Integer
FloorID	Floor ID	Integer
BuildingID	Building ID	Integer

Notes

* Indicates required field.

Room Types CAN be associated with more than one floor which can be associated with more than one building.

Passing in a value of zero for the ProfileID will return ALL (active) room types in the database.

KioskGetGroup**Description**

Returns a group or list of groups based on 'GroupName' search criteria.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
GroupName *	Group Name (whole or part)	String

Response Elements

Name	Description	Type
ID	Group ID	Integer
GroupName	Group Name	String
City	Group's City	String
State	Group's State	String

Notes

* Indicates required field.

An empty string can be passed in for GroupName to return ALL results.

A maximum number of 200 records will be returned.

KioskValidateByBadgeNum**Description**

Validates a Group based on the search criteria. Returns the Group Name and ID if successful.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
BadgeNum *	Badge Number to Authenticate	String

Response Elements

Name	Description	Type
ID	Group ID	Integer
GroupName	Group Name	String

Notes

* Indicates required field.

Returns an empty dataset if validation 'Failed'.

KioskValidateByExternalReference**Description**

Validates a Group based on the search criteria. Returns the Group Name and ID if successful.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
ExternalReference *	ExternalReference to Authenticate	String

Response Elements

Name	Description	Type
ID	Group ID	Integer
GroupName	Group Name	String

Notes

* Indicates required field.

Returns an empty dataset if validation 'Failed'.

KioskValidateByPersonnelNum**Description**

Validates a Group based on the search criteria. Returns the Group Name and ID if successful.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
PersonnelNum *	Personnel Number to Authenticate	String

Response Elements

Name	Description	Type
ID	Group ID	Integer
GroupName	Group Name	String

Notes

* Indicates required field.

Returns an empty dataset if validation 'Failed'.

KioskGetEvents**Description**

Returns an event or a list of events for a given date range and search criteria.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
StartDate *	Start Date	DateTime
EndDate *	End Date	DateTime
BuildingID *	Building ID	Integer
FloorID *	Floor ID	Integer
RoomTypeID *	Room Type ID	Integer
EventName	Event Name	String

Response Elements

Name	Description	Type
BookingID	Booking ID	Integer
Building	Building Description	String
BuildingCode	Building Code	String
BuildingID	Building ID	Integer
Room	Room Description	String
RoomCode	Room Code	String
RoomID	Room ID	Integer
RoomType	Room Type Description	String
Event	Event Description	String
Status	Status	String
Group	Group Name	String
TimeEventStart	Local Start Time of the Event (The Building's Time Zone)	DateTime
TimeEventEnd	Local End Time of the Event (The Building's Time Zone)	DateTime

GMTStartTime	GMT Start Time	DateTime
GMTEndTime	GMT End Time	DateTime
TimeZoneID	Time Zone ID (The Building's Time Zone)	Integer
TimeZoneDescription	Time Zone Description (The Building's Time Zone)	String
TimeZoneAbbreviation	Time Zone Abbreviation (The Building's Time Zone)	String

Notes

* Indicates required field.

For BuildingID, FloorID just pass in a -1 if no real value is available to search on.

EventName is optional and can be left blank.

A maximum number of 100 records will be returned.

KioskGetReservations

Description

Returns an event or a list of events for a given date range and group ID.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
StartDate *	Start Date	DateTime
EndDate *	End Date	DateTime
GroupID *	Group ID	String

Response Elements

Name	Description	Type
BookingID	Booking ID	Integer
Building	Building Description	String
BuildingCode	Building Code	String
BuildingID	Building ID	Integer
Room	Room Description	String
RoomCode	Room Code	String
RoomID	Room ID	Integer
RoomType	Room Type Description	String
Event	Event Description	String
Status	Status	String
Group	Group Name	String
TimeEventStart	Local Start Time of the Event (The Building's Time Zone)	DateTime
TimeEventEnd	Local End Time of the Event (The Building's Time Zone)	DateTime
GMTStartTime	GMT Start Time	DateTime
GMTEndTime	GMT End Time	DateTime
TimeZoneID	Time Zone ID (The Building's Time Zone)	Integer
TimeZoneDescription	Time Zone Description (The Building's Time Zone)	String
TimeZoneAbbreviation	Time Zone Abbreviation (The Building's Time Zone)	String

Notes

* Indicates required field.

A maximum number of 100 records will be returned.

KioskEndNowReservation

Description

Called when a user selects to end a booking that is in progress.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String

Password *	EMS User Password	String
BookingID *	Booking ID	Integer

Response Elements

Name	Description	Type
Result	Success or Failure	String

Notes

* Indicates required field.

KioskCancelReservation**Description**

Called when a user selects to cancel a booking that they created.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
BookingID *	Booking ID	Integer

Response Elements

Name	Description	Type
Result	Success or Failure	String

Notes

* Indicates required field.

KioskLocatePerson**Description**

Returns a group or list of groups based on 'GroupName' search criteria.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
GroupName *	Group Name (whole or part)	String

Response Elements

Name	Description	Type
ID	Group ID	Integer
GroupName	Group Name	String

Notes

* Indicates required field.

An empty string can be passed in for GroupName to return ALL results.

A maximum number of 200 records will be returned.

KioskGetFloorsAndRoomTypes**Description**

Returns a list of floors and room types available for a specific Kiosk Profile and Group.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
GroupID *	Group ID	Integer

Response Elements

Name	Description	Type
FloorID	Floor ID	Integer
Floor	Floor Description	String
FloorSeqNo	Floor Sequence Number	Integer
RoomTypeID	Room Type ID	Integer
RoomType	Room Type Description	String

Notes

* Indicates required field.

KioskGetRoomAvailability**Description**

Returns a list of available rooms based on the search criteria.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
GroupID *	Group ID	Integer
RoomTypeID *	Room Type ID	Integer
FloorID *	Floor ID	Integer
DateTimeList *	XML Date Time List	String
RowCount	Number of rows to return (defaults to 1000)	Integer

Response Elements

Name	Description	Type
RoomID	Room ID	Integer
RoomCode	Room Code	String
RoomDescription	Room Description	String
BuildingID	Building ID	Integer
BuildingCode	Building Code	String
BuildingDescription	Building Description	String
Capacity	Room Capacity	Integer
FloorID	Floor ID	Integer
RoomTypeID	Room Type ID	Integer
RoomType	Room Type Description	String
ExternalReference	Room External Reference	String

Notes

* Indicates required field.

GroupID, RoomTypeID and FloorID can be -1 to return all available results.

DateTimeList example: `<Dates><Date requestedDate="2010-10-27" startTime="10:42:00" endTime="20:00:00" /></Dates>`

For availability spanning multiple days just pass in additional `<Date />` nodes in the DateList XML.

A maximum number of 100 records will be returned.

KioskAddReservation

Description

Adds a new event for a given set of parameters.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
EventName *	Event Name	String
RoomID *	Room ID	Integer
GroupID *	Group ID	Integer
EventTypeID *	Event Type ID	Integer
DateTimeList *	XML Date Time List	String

Response Elements

Name	Description	Type
ReservationID	Reservation ID that was created in EMS	Integer

Notes

* Indicates required field.

DateTimeList example: `<Dates><Date requestedDate="2010-10-27" startTime="10:42:00" endTime="20:00:00" /></Dates>`

For a reservation spanning multiple days just pass in additional `<Date />` nodes in the DateList XML. Returns a -1 if the Reservation was NOT created.

KioskAddReservation2

Description

Adds a new event for a given set of parameters.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
EventName *	Event Name	String
RoomID *	Room ID	Integer
GroupID *	Group ID	Integer
EventTypeID *	Event Type ID	Integer
DateTimeList *	XML Date Time List	String

Response Elements

Name	Description	Type
ReservationID	Reservation ID that was created in EMS	Integer
BookingID	Booking ID created in EMS	Integer
BookingDate	Booking Date	DateTime
StartTime	Start Time	DateTime
EndTime	End Time	DateTime
RoomCode	Room Code	String
RoomDescription	Room Description	String
StatusID	Status ID of booking created in EMS	Integer
StatusDescription	Status Description of booking created in EMS	String

Notes

* Indicates required field.

DateTimeList example: `<Dates><Date requestedDate="2010-10-27" startTime="10:42:00" endTime="20:00:00" /></Dates>`

For a reservation spanning multiple days just pass in additional `<Date />` nodes in the DateList XML. Returns an Error element if the Reservation was NOT created.

KioskGetEventTypes

Description

Returns a list of active Kiosk Event Types

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String

Response Elements

Name	Description	Type
ID	Event Type ID	Integer
Description	Event Type Description	String

Notes

* Indicates required field.

KioskGetAllRooms

Description

Returns a list of all available rooms for a specific Kiosk Profile.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
FloorID *	Floor ID	Integer
CategoryGroupID *	Room Category Group ID	Integer
ShowActive *	Show Active Rooms (0 or 1)	Integer
ShowInactive *	Show Inactive Rooms (0 or 1)	Integer

Response Elements

Name	Description	Type
RoomID	Room ID	Integer
RoomCode	Room Code	String
RoomDescription	Room Description	String
BuildingID	Building ID	Integer
BuildingCode	Building Code	String
BuildingDescription	Building Description	String
RoomSize	Room Size (sq/ft)	Integer
SetupType	Room Setup Type	String
Capacity	Room Capacity	Integer
FloorID	Floor ID	Integer
FloorDescription	Floor Description	String
CategoryGroupDescription	Room Category Group Description	String
RoomTypeID	Room Type ID	Integer
RoomTypeDesc	Room Type Description	String

Notes

* Indicates required field.

For *FloorID* and *CategoryGroupID* just pass in a -1 if no real value is available to search on.

This result set can include both 'Combo' and 'Standard' rooms. A '**Combo**' room (RoomTypeID = 2) can be partitioned into *n* number of '**Component**' rooms. For a list of '**Component**' rooms that are associated with the '**Combo**' rooms for a specific Kiosk Profile use `KioskGetRoomComboComponents()`.

KioskGetRoomComboComponents

Description

Returns a list of all available Component rooms for a specific Kiosk Profile.

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer

Response Elements

Name	Description	Type
ComponentRoomID	Component Room ID	Integer
ComponentRoomCode	Component Room Code	String
ComponentRoom	Component Room Description	String
ComboRoomID	Combo Room ID	Integer
ComboRoomCode	Combo Room Code	String
ComboRoom	Combo Room Description	String
BuildingID	Building ID	Integer

Notes

* Indicates required field.

This result set includes all '**Component**' rooms, if any exist, that are associated with the '**Combo**' rooms for a specific Kiosk Profile.

KioskGetCheckInStatus

Description

Returns the Check-In Status of a given group

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
GroupID *	Group ID	Integer

Response Elements

Name	Description	Type
TransactionDate	Transaction Date	Date
TransactionTypeID	Transaction Type ID	Integer
BuildingID	Building ID	Integer

Notes

* Indicates required field.

The result set will be empty if there has been no transactions for the given search criteria (i.e. the group/user has neither checked in or out yet).

Return values for *TransactionTypeID*: **0 = Checked In, 1 = Checked Out**

KioskCheckInCheckOut

Description

Checks In or Checks Out a group/user for daily events

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
Profile ID *	Kiosk Profile ID	Integer
GroupID *	Group ID	Integer
TransactionType *	Transaction Type	Integer

Response Elements

Name	Description	Type
Result	Success or Failure	String

Notes

* Indicates required field.

Parameter values for *TransactionType*: **0 = Check-In, 1 = Check-Out**

KioskAddRoomtoProfile

Description

Adds a room to an existing Kiosk Profile

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
ProfileID*	Kiosk Profile ID	Integer
RoomID*	Room ID	Integer
RoomIDType	Room ID Type (ID or ExternalReference)	Integer

Response Elements

Name	Description	Type
Result	Success or Failure	String

Notes

* Indicates required field.

Possible values for *RoomIDType*: **0 = Room ID (default), 1 = Room External Reference**

KioskGetRoomsBySetupType

Description

Returns a list of rooms by setup type and capacity

Request Parameters

Name	Description	Type
UserName *	EMS User Name	String
Password *	EMS User Password	String
BuildingID *	Building ID (-1 = All Buildings)	Integer
RoomTypeID *	Room Type ID (-1 = All Room Types)	Integer
FloorID *	Floor ID (-1 = All Floors)	Integer
SetupTypeID *	Setup Type ID	Integer

Response Elements

Name	Description	Type
RoomID	Room ID	Integer
RoomCode	Room Code	String
RoomDescription	Room Description	String
BuildingID	Building ID	Integer
BuildingDescription	Building Description	String
RoomTypeID	Room Type ID	Integer
RoomTypeDescription	Room Type Description	String
FloorID	Floor ID	Integer
FloorDescription	Floor Description	String
SetupCount	Setup Count	Integer

Notes

* Indicates required field.