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MESDLL Functions

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Version Control

Version	Date	Changes	By
0.1	30-Nov-18	Draft	Srikanth Kandagatla
0.2	1-Dec-18	Inclusion of new functions	Piyush
0.3	1-Dec-18	Formatting changes	Srikanth Kandagatla

Function ValidateEmployee (ByVal StrEmployeeName As String,
ByVal strDBServerName As String)

Function Description: To check if employee is valid to access this MES DLL. This function validated user is present in camstar.

Input Parameters:

StrEmployeeName = Person who is accessing this MES DLL (**Mandatory**)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

Output Parameters:

strValiateEmpResult = this parameter returns if employee is valid or not

Return:

strValiateEmpResult = strValiateEmpResult, if exists in Camstar

strValiateEmpResult = "Invalid User", doesn't exist

Function ValidateHostName (ByVal strDBServerName As String) As String

Not a user function. System will automatically validate on page load

Function Description: To check if Computer is registered as resource in Camstar system or not

Input Parameters:

strDBServerName = Server Name which need to be connected for performing transaction
(Mandatory)

ComputerName = Computer name will be the default parameter

Output Parameters:

StrMessage = this parameter returns Resource ID by ValidateHostName

Return:

StrMessage = ResourceID, if exists in Camstar

StrMessage = "", doesn't exist

Function MoveIn (ByVal StrUsername As String,
ByVal StrContainerName As String,
ByVal ResourceName As String,
Optional ByRef Strcomments As String = " ",
ByVal strDBServerName As String,
ByVal strCamstarHostName As String) As String

Function Description: To move the container in to the step

Input Parameters:

StrUsername = Person who logged into the machine (**Mandatory**)

StrContainerName = Input container name which is given by the user (**Mandatory**)

ResourceName = System Name/ Machine name, which users are working (**Mandatory**)

Strcomments = Comments given by the user. (Optional)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

strCamstarHostName = Camstar Host Name which need to be connected (**Mandatory**)

Output Parameters:

StrMessage = It will return a message by MoveIn.

Return:

StrMessage = <Container Name> moved in < Next Step Name>, Resource: <Computer Name>

Ex: COMPSN7 moved in Incoming Inspection, Resource: WUX-E80008389

StrMessage = Error; Returns error message in case of any failure

Function MoveOut (ByVal StrUsername As String,
ByVal StrContainerName As String,
Optional ByRef Strcomments As String = "",
ByVal strDBServerName As String,
ByVal strCamstarHostName As String) As String

Function Description: To move the container from current step to next step

Input Parameters:

StrUsername = Person who logged into the machine (**Mandatory**)

StrContainerName = Input container name which is given by the user (**Mandatory**)

Strcomments = Comments given by the user. (Optional)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

strCamstarHostName = Camstar Host Name which need to be connected (**Mandatory**)

Output Parameters:

StrMessage = It will return a message by MoveOut

Return:

StrMessage = <Container Name> moved from < Previous Step Name> to <Next Step Name>,
Process time = <Time in Minutes>, Resource = <Computer/System/Machine Name>

Ex: COMPSN7 moved from Incoming Inspection to Material Store, Process time = 1 minutes,
Resource = WUX-E80008389

StrMessage = Error; Returns error message in case of any failure

Function Hold (ByVal StrUsername As String,
ByVal StrContainerName As String,
Optional ByRef Strcomments As String = "",
ByVal strHoldReason As String,
ByVal strDBServerName As String,
ByVal strCamstarHostName As String) As String

Function Description: To move the container from current step to next step

Input Parameters:

StrUsername = Person who logged into the machine (**Mandatory**)

StrContainerName = Input container name which is given by the user (**Mandatory**)

Strcomments = Comments given by the user. (Optional)

strHoldReason = Input the Hold reason for the container to Hold (**Mandatory**)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

strCamstarHostName = Camstar Host Name which need to be connected (**Mandatory**)

Output Parameters:

StrMessage = It will return a message by Hold Transaction

Return:

StrMessage = <Container Name> is Hold with Reason <Hold Reason>,

StrMessage = Error; Returns error message in case of any failure

Function Release (ByVal StrUsername As String,
ByVal StrContainerName As String,
Optional ByRef Strcomments As String = "",
ByVal strReleaseReason As String,
ByVal strReleaseAssignee As String,
ByVal strDBServerName As String,
ByVal strCamstarHostName As String) As String

Function Description: To move the container from current step to next step

Input Parameters:

StrUsername = Person who logged into the machine (**Mandatory**)

StrContainerName = Input container name which is given by the user (**Mandatory**)

Strcomments = Comments given by the user. (Optional)

strReleaseReason = Input the Release reason for the container to Hold (**Mandatory**)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

strCamstarHostName = Camstar Host Name which need to be connected (**Mandatory**)

Output Parameters:

StrMessage = It will return a message by Release

Return:

StrMessage = <Container Name> is Release with Reason <Release Reason>,

StrMessage = Error; Returns error message in case of any failure

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Function GetContainerStatus (ByVal StrContainerName As String,
ByVal strDBServerName As String) As DataSet

Function Description: This is used to get the container status and the below mentioned container details

Input Parameters:

StrContainerName = Input container name which is given by the user (**Mandatory**)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

Output Parameters:

We will return a DataSet with multiple values in multiple rows (if exists)

Return:

Returns the below values:

CONTAINERNAME

CHILD_CONTAINER

STATUS

WORKFLOWSTEPNAME

SPECNAME

OPERATIONNAME

WORKCENTERNAME

PRODUCTNAME

PRODUCTFAMILYNAME

PROCESS_BLOCK

SCRIBE_NUMBER

RUNPKT

RECIPE

Ex:

CONTAINERNAME	CHILD_CONTAINER	STATUS	WORKFLOWSTEPNAME	SPECNAME	OPERATIONNAME	WORKCENTERNAME	PRODUCTNAME	PRODUCTFAMILYNAME	PROCESS_BLOCK	SCRIBE_NUMBER	RUNPKT	RECIPE
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Function GetResourceStatus (ByVal StrResourceName As String ,
ByVal strDBServerName As String) As DataSet

Function Description: This is used to get the Resource availability status along with Resource State and Sub-state name

Input Parameters:

StrResourceName = System Name/ Machine name, which users are working on (**Mandatory**)

strDBServerName = Server Name which need to be connected for performing transaction
(**Mandatory**)

Output Parameters:

We will return a DataSet with multiple values in a single row

Return:

Returns the below values:

ResourceName

Availability

ResourceStateName

ResourceSubStateName

Ex:

ResourceName	Availability	ResourceStateName	ResourceSubStateName
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