

## IQMS WebAPI Software Development Kit

Develop Your Own Custom Applications for IQMS

### Properly communicate with the tools from this software development kit

The IQMS WebAPI Software Development Kit (SDK) comes with all the tools needed to empower developers to write custom applications with the IQMS manufacturing ERP and MES software solution. Most modern programming platforms and languages (Android, ASP.net, Windows, Visual Studio (.Net)) can be used to develop applications.

The WebAPI SDK includes a specific list of interfaces that allow your programmer to encapsulate core IQMS logic with the JSON data exchange format for a lightweight exchange of information between the WebAPI and your applications. In addition to the web services/routines, the WebAPI SDK comes with a complete help file system and full code example projects to ensure that the process is a success.

In combination with the WebAPI SDK tools, IQMS offers hourly support with its specialized Automation Department for any questions, issues and development surrounding the WebAPI. Additionally, developers can source the valuable contributions of fellow IQMS users on the MyIQMS online discussion forum.

### Benefits

- Easily write your own custom apps for IQMS using the tools you desire
- Customize the software with solutions that help you address your specific challenges
- Browse the extensive help file system in the HTML Help 1.x format
- Take advantage of the training and development assistance you have come to expect from IQMS

PrintLabelController Methods		EnterpriseIQ WebAPI Help
The PrintLabelController type exposes the following members.		
Methods		
Name	Description	
AssociateLabelsWithPallet	Associates a list of labels with a pallet (from palletMasterLabels).	
BITfuAddress	Get first BITfuAddress for the customer id that is passed in.	
BITfuAddresses	Get a list BITfuAddresses for the customer id that is passed in.	
BOMsByItem	BOMs by item.	
CountriesOfOrigin	Countries of origin.	
CreatePalletBasedOnChild	Creates a pallet based on one of the child ids.	
CustomersForItem	Customers for the item.	
DevicePrinter	Gets the printer name for the given printer id.	
Inventory	Get a list of inventory items	
Labels	Labels for the specified itemId.	
LabelsByItem	Labels by item.	
ManufacturedInventory	Labels by item.	
PackagesForItem	Packages for item.	
PrepareManufacturedLabelsBatch	Prepares a batch of labels, as if PrintManufactured() were called, but does not actually send the job to the printer. Instead, returns a list of labels from the batch.	
PrinterId	Get list of printers available on the WebAPI server.	
PrintManufactured	Prints the label for a manufactured item.	
PrintPurchased	Prints the label for a purchased item.	
PrintRealTime	Prints the real time.	
PrintSalesOrder	Prints a sales order.	
PurchaseInventory	The label for the purchased inventory item identified by the specified id.	
RealTime	Get a list of RealTimeDetailLabels indicating the default label values that can be passed back to the PrintRealTime label method.	
SalesOrder	Get Sales Order By Order Detail Id	
UpdateDefaultPrinter	Updates the default printer.	
UpdateLabelPrinter	Updates the label printer.	

Example documentation of a PrintLabel WebAPI service with multiple web services for various printing routines.

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### Key Features

**What's Included-** The WebAPI Software Development Kit contains three key elements:

**Example Applications-** Multiple sample applications come with the WebAPI Software Development Kit. Built with Visual Studio 2010 using the C# .Net programming language, the samples provide fully functional examples of interactivity with the WebAPI.

**Web Services/Routines-** A specific list of interfaces is included with the WebAPI Software Development Kit that defines the inputs and outputs that your application must adhere to in order to communicate with IQMS.

**Documentation-** The WebAPI Software Development Kit comes with a complete help file system in the HTML Help 1.x format, similar to Microsoft's MSDN format for ease of use and application success.

**WebAPI Training and Development Assistance-** IQMS offers WebAPI training and development assistance two ways: The first is one-on-one personalized collaboration with the IQMS Automation Department on an hourly basis. Support includes questions, issues and development surrounding the WebAPI and is billed up front. The second is through the online discussion forum on MyIQMS, where customers can source best practice advice and tips from other IQMS power users.

**Versions and Updates-** If you are working with IQMS to develop new applications, you will be notified by email any time an update has been published. Additionally, IQMS maintains the compatibility of the WebAPI Software Development Kit by releasing a corresponding version with each release of the IQMS software.

DispositionController.FloorDisposition Method		EnterpriseIQ WebAPI Help
Disposition a label Designed around ShopData - RTScan To Inventory Module		
Namespace: <a href="#">WebAPI.Areas.Inventory.Controllers</a>		
Assembly: WebAPI (in WebAPI.dll) Version: 1.0.0.0 (1.0.0.0)		
<b>Syntax</b>		
<pre>C# VB C++ F# <span style="float:right">Copy to Clipboard Print</span> [HttpPostAttribute] public ActionResult FloorDisposition(     string serialNo,     DispositionOptions options )</pre>		
<b>Parameters</b>		
serialNo Type: <a href="#">System.String</a> The serial field of the master label record that is to be dispositioned.		
options Type: <a href="#">IQMS.Entities.Lib.Inventory.DispositionOptions</a>		
<b>Return Value</b> DispositionResponse - DispositionResponse object indicating success of the Transaction or that additional properties of the options parameter should be populated. The DispositionResponse.DispositionOptionRequired property will indicate the required value if DispositionResponse.Succeeded is false.		
<b>See Also</b>		
<a href="#">DispositionController Class</a> <a href="#">DispositionController Members</a> <a href="#">WebAPI.Areas.Inventory.Controllers Namespace</a>		

Example documentation of a Disposition WebAPI Web service.