

COMMON 2018

Sample Application/Branding Estee Lauder

Web Services From e-PFR Technologies, Inc. <u>www.iwebsrv.com</u>

User Sign In

ESTĒE LAUDER

Omni Order Management and Fulfillment System

Welcome to the Estee Lauder Omni Order Management and Fulfillment system.

Please enter your credentials in the login box in order to proceed.



Sign In	
Store/Location Number	
00102	
Username	
jmarx	
Password	
Forgot password?	
V Stay signed in	
Register	Sign in

User can Sign In, Register to be authorized, or forgot password. 'Skin' can be styled for branding.



User Registration

ESTĒE LAUDER

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Welcome to the Estee Lauder Omni Order Management and Fulfillment system.

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Register	
Store/Location Number	Username
Password	Confirm Password
First Name Mid	Idle Initial Last Name
Email Address	Telephone
	Register

Steps for User Registration:

User completes registration form and form is validated;

Email is sent to User indicating receipt of registration;

Email is sent to Store (Location) Contact notifying User registration/request;

Store Contact approves/denies User Registration and email is sent to User;

If approved, Store Contact grants User appropriate authority and assigns Group profile.



SIGN IN

Forgot Password

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Welcome to the Estee Lauder Omni Order Management and Fulfillment system.

Please enter your credentials in the login box in order to proceed.



Sign In	
Store/Location Number	
Username	
I remembered my password	
	C Reset Password

Steps for Forgot Password:

- User provides Store/Location Id and User Id;
- System will validate that this Location/User is valid;
- If not valid, appropriate response will be displayed to user;

If valid, a message will be displayed to user indicating an email has been sent to the email address of the user profile --- and correspondingly, an email is sent to the email address of the user profile.



Initial Display/Menu

estēe lauder		
🗾 Joe Marx	Home / Dashboard	
8 User Profile		
🚑 User Approval		
لَكُ User Authority		
曫 User Group Maint		
Cocation Maint		
② Real Time Status		
📑 Inventory Info		
Available to Promise		
📎 Inventory Inquiry		
🕥 Inventory Detail		
🕥 SKU/Item Lookup		
€ Order Inquiry		
G		

The user drop down menu display is the main control display and provides an architecture that is flexible in adding new applications in the future. The main body of the display is constant while the Application Display Area is unique to the individual application.



Selection: Available Inventory

EST	ĒE LAUDER							0 6	K 2	=
0	Joe Marx	ł	lome / Inventory Info							
8	User Profile		Partner Item:							
2+	User Approval		022410973		Q Search					
<u> </u>	User Authority									
**	User Group Maint		Available to Bromise	Inventor (Inquin)	Inventory Datail	FK11/Item Lookup				
۲	Location Maint		Available to Fromise	inventory inquiry	Inventory Detail	SKOMENI LOOKUP				
0	Real Time Status	ľ	Label:				Value:			
11,	Inventory Info	4								
۲	Available to Promise									
۲	Inventory Inquiry									
>	Inventory Detail									
\diamond	SKU/Item Lookup									
€	Order Inquiry									
	G									

This display provides for the selection of a sku/item to show Available Inventory.



Available Inventory

EST	ĒE LAUDER				0 8	8	2 (=	
	Joe Marx	н	/ Inventory Info							
4	User Profile		Partner Item:							
2+	User Approval		022410973 Q Search							
٥ <mark>٦</mark> ۵	User Authority									
**	User Group Maint	Ī	Available to Promise Inventory Inquiry Inventory Detail SKU/Item Lookup							
۲	Location Maint	-								
0	Real Time Status									
10,	Inventory Info			022/10072					-	
>	Available to Promise		Quantity	9781						
\diamond	Inventory Inquiry		Backorder Flag	N						
\diamond	Inventory Detail		Release Date	0001-01-01						
\diamond	SKU/Item Lookup									
Ð	Order Inquiry									
	Ø									

This display shows inventory available to promise by item/sku.



Inventory Inquiry

ESTĒE LAUDER		≪ X 2 ⊕ ≡					
🗾 Joe Marx	me / Inventory Info						
 User Profile User Approval User Authority 	Partner Item: 022410973 Q Search						
User Group MaintLocation Maint	Available to Promise Inventory Inquiry Inventory Detail SKU/Item Lookup						
Real Time Status	Label:	Value:					
Available to Promise		022410973					
Ninventory Inquiry	Backorder	9781 N					
 Inventory Detail SKU/Item Lookup 	Release Date	0001-01-01					
• Order Inquiry	Order Management SKO	002230035					
Ø							

This display shows inventory available to promise by item/sku.



Inventory Detail

ESTĒE LAUDER							08	X C ⊕ ≡		
🕖 Joe Marx	Home / Inventory Info	me / Inventory Info								
 User Profile User Approval User Authority 	Partner Item: 022410973	Partner Item: 022410973 Q Search								
 User Group Maint Location Maint Real Time Status 	Available to Promise Inventory Inquiry	Available to Promise Inventory Inquiry Inventory Detail SKU/Item Lookup								
Inventory Info	Label:		Value:							
Available to Promise	Item ID		17735638							
Niventory Inquiry	Description		8.75OZ_GFHS_CORE14_KITCHEN LEM							
Inventory Detail	Fulfillment Name (Warehouse ID)	Quantity	On Hand	Quantity Allocated	Quantity Reserved	Quantity Pending	Quantity Hold	Quantity On Order		
 SKU/Item Lookup Order Inquiry 	Returns - No Warehouse (264) 2 Trade Port 2 Sellable (330) 9934			0	0	0	0	0		
G				153	0	0	0	0		
	Trade Port 2 Unsellable (331)	1		0	0	0	0	0		

This display shows inventory detail by location/warehouse/DC.



SKU/Item Lookup

estēe lauder		≪ % 3 0 ⊕ =							
🗾 Joe Marx	Home / Inventory Info	/ Inventory Info							
User Profile 나 User Approval 진소 User Authority	Partner Item: 022410973 Q Search								
 User Group Maint Location Maint 	Available to Promise Inventory Inquiry Inventory De	tail SKU/Item Lookup							
Real Time Status	Label:	Value:							
Available to Promise	Item ID								
>> Inventory Inquiry	Item Status	ACTIVE							
Inventory Detail	Sku Type	Standard Item							
SKU/Item Lookup	Vendor ID 24983								
G	Long Description	GENTLE FOAMING SOAP							
	Color	KITCHEN LEMON							
	Size	NO SIZE							

This display shows Sku/Item information



Order Inquiry Selection

estēe lauder		≪ % 2 ⊕ ≡
🗾 Joe Marx	Home / Order Inquiry	
🐣 User Profile	Partner Order Id:	
👍 User Approval	20160222010 Q Search	
රාධ්ර User Authority		
🚰 User Group Maint		
Eocation Maint		
② Real Time Status		
📑 Inventory Info		
Available to Promise		
Ninventory Inquiry		
🕥 Inventory Detail		
SKU/Item Lookup		
€ Order Inquiry		
G		

Provides for the selection of an order to display.



Order Inquiry Display

ESTĒE	LAUDER						≪ X 2 ⊕ ≡				
🕖 Joe	Marx	Home / Order Inquiry	e / Order Inquiry								
 ▲ Use ▲ Use △ △ △ Use ▲ Use ▲ Use ▲ Use ▲ Use 	er Profile er Approval er Authority er Group Maint ation Maint	Partner Order Id: 20160222010 Partner Id: 70 P	Partner Order Id: 20160222010 Q Search Partner Id: 70 Partner Name: MR. BBW OOFM Partner Order #: 20160222010								
② Rea	l Time Status										
📑 Inve	entory Info	Sales Order		Bill To		Charges					
🏷 Ava	ilable to Promise	Web Order #:	70000000000000009	Address:	MR. BBW OOFM	Merchandise Amount:	24.00				
🏷 Inve	entory Inquiry	OMS Order #: Order Date:	402335783 2016-02-21 19:02:07		2190 MOSER ST ASTON PA 19014 US	Shipping Amount: Grand Total:	5.99 29.99				
📎 Inve	entory Detail	Order Status:	?	Phone:	252 -772-31 50						
🏷 sku	J/Item Lookup			Email:	skrisnnan reebay.com						
🕘 Ord	ler Inquiry										
	G	Payment Informa Method: Type:	tion Visa Card Credit Card	Ship To Address:	BBW OOMF 2190 moser st	Shipping Information Carrier: A Delivery Mode: <u>6</u>	INY SROUND				

This display shows all information for an order.



User Profile

estēe lauder		≪ X 2 ⊕ ≡
Joe Marx	C Home / User Edit	
User Profile	Fdit User	
မြန္ User Approval		
රාර්ර User Authority	First Name:	
🚰 User Group Maint	▲ Joe	
Location Maint	Middle Int:	
② Real Time Status		
Inventory Info	Last Name:	
Available to Promise	Telephone:	
Inventory Inquiry	L 415.722.9009	
Niventory Detail	Email:	
SKU/Item Lookup	Mahenderson@ebay.com	
€ Order Inquiry	Password:	
0	▲	
	Confirm Password:	

This display allows for an individual user to maintain his/her user profile, i.e. change password, name, address, etc.



User Approval Selection

ES	tēe lauder								≪ X 2 ⊕ ≡
	Joe Marx	Н	ome / User Approval						
4	User Profile		User ID:		Location/Store:				
2	User Approval		*ALL		*ALL		Q Search		
ے آ	User Authority		IUser. *All. generic*)		(Loc/Store or *ALL)				
崉	User Group Maint								
0	Location Maint	ľ	Jser ID	User Name		Group	Location	Status	Actions
0	Real Time Status								
11	Inventory Info								
\bigcirc	Available to Promise								
\bigcirc	Inventory Inquiry								and the state of the
\bigcirc	Inventory Detail								
\bigcirc	SKU/Item Lookup								
€	Order Inquiry								
	G								

Provides for the selection of a user(s) to display for User Approval.



User Approval Display

EST	iêe lauder							•	* * 2	ເ> ≡
Ø	Joe Marx	Home / User Approval								
4	User Profile	User ID:		Location/Store:						
2+	User Approval	*ALL		*ALL		Q Search				
۵í۵	User Authority	Risec +ALL, generic*)		(Loc/Store or *ALL)						
***	User Group Maint									
0	Location Maint									50 7
0	Real Time Status	User ID	User Name		~	Group ^	Location ^	Statur ^	Actions	
11	Inventory Info		Store Accesiate	roup Drofile	Ť	aroup ~	10245		Actions	
\sim	Available to Promise	-STRASSUC	Store Associate - G	roup Prome			12545	macuve	Enable	
\diamond	Inventory Inquiry	*STRASSOC	Store Associate - G	roup Profile			22222	Active	Disable	
\bigcirc	Inventory Detail	*STRASSOC	Store Associate - G	roup Profile			33333	Active	Disable	
\diamond	SKU/Item Lookup	*STRASSOC	Store Associate - G	roup Profile			11111	Active	Disable	
€	Order Inquiry	*STRMGR	Store Manager - Gr	oup Profile			12345	Inactive	Enable	
	Ø	*STRMGR	Store Manager - Gr	oup Profile			22222	Inactive	Enable	
		*STRMGR	Store Manager - Gr	oup Profile			33333	Active	N AND AND	

This display allows the controlling entity (store manager, partner admin, etc,) to grant or revoke user approval. The display presents all users under the jurisdiction of the controlling entity --- all hierarchical locations/users. Selection filters by User and Location are also provided.



User Approval Display (continued)

*STRMGR	Store Manager - Group Profile		33333	Active	Disable
*STRMGR	Store Manager - Group Profile		11111	Active	Disable
aaa2	aaa zzz	*STRASSOC	12345		Enable
aaa3	aaa I zzz	*STRASSOC	12345	Pending	Activate
aaa4	aaa l zzz	*STRASSOC	12345	Pending	Activate
aaa5	aaa L zzz	*STRASSOC	12345		Enable
аааб	aaa I zzz	*STRASSOC	12345	Pending	Activate
aaa7	aaa I zzz	*STRASSOC	12345	Pending	Activate
aaa8	aaa zzz	*STRASSOC	12345	Pending	Activate
aaa9	aaa zzz	*STRASSOC	12345	Pending	Activate
abc10	aaa zzz	*STRASSOC	12345	Pending	Activate
abc11	aaa zzz	*STRASSOC	12345	Pending	Activate
adriano72	Adriano Z Chiaretta	*ADMIN	00102	Active	Disable
adrianonew	Adriano Z Chiaretta	*ADMIN	00102	Active	Discolution in the last

... a continuation of the previous User Approval display.



User Authority Selection

EST	iee lauder																				0 \$ X	1 2		=
	Joe Marx	1	Home / User Authori	y.																				
4	User Profile		Location/Store:																					
2+	User Approval					Q Search																		
<u> </u>	User Authority	4																						
***	User Group Maint					_				_				-	-				_					
0	Location Maint																						50	
0	Real Time Status		Location/Store	∴ Des	crintion	llser ID	<u>^</u>	User Name	^	Ref	^	SIC	<u>^</u>	lto	<u>с</u> р	le ^	Pel	<u>^</u>	Pto	<u>^</u>	PicNam	~	Actions	
11,	Inventory Info	ł					~		~	Ker	×	Site	~		Ý.			Ý		¥1				
\diamond	Available to Promise																							
۱	Inventory Inquiry																							
\diamond	Inventory Detail																							
\diamond	SKU/Item Lookup																							
€	Order Inquiry																							
	G																							

Provides for the selection of a Locations) to display for User Authority.



User Authority Display

EST	iêe lauder										« X 2	• =
Ø	Joe Marx	Home / User Auth	ority									
4	User Profile	Location/Store:										
2+	User Approval			Q Se	earch							
<u> </u>	User Authority	Silles 2nd Avenue										
**	User Group Maint		-			_	_	_				4
۲	Location Maint											50 *
0	Real Time Status	Location/Store 🗘	Description A	User ID 🗘	User Name	Ref 🗘	Sic 🗘	Ltp 🗘	Pic 🗘 Psi	O Ptp O	PicNam 🗘	Actions
-	Inventory Info	11111	CLQ Store 11111	jmarx	Joe Marx	7		*STR	00102	*PARTNER	Estée Lauder Inc.	Edit
۱	Available to Promise		0.00	1.000 001		0		terre	00100	+0.071/50		Lonc
\bigcirc	Inventory Inquiry	11111	CLQ Store 11111	mattn	Matt Henderson	9		*SIR	00102	*PARTNER	Estee Lauder Inc.	Edit
۱	Inventory Detail	11111	CLQ Store 11111	*STRASSOC	Store Associate - Group Profile	29		*STR	00102	*PARTNER	Estée Lauder Inc.	Edit
\bigcirc	SKU/Item Lookup	11111	CLQ Store 11111	*STRMGR	Store Manager - Group Profile	28		*STR	00102	*PARTNER	Estée Lauder Inc.	Edit
Q	Order Inquiry	12345	CLQ Store 12345	fdolengo	Fred Dolengo	2		*STR	00102	*PARTNER	Estée Lauder Inc.	Edit
	•	12245	CLO Store 12245	matth	Matthew D Handarran	1		*CTD	00102		Están Laudor Jac	
		12345	CLQ Store 12345	5 matth Matthew P Henderson 1				SIR	00102	*PARTNER	Estee Lauder Inc.	Edit
		22222	CLO Store 22222	fdolengo	Fred Dolengo	16		*STR	00102	*PARTNER	Estée Lauder Inc.	

The User Authority provides the ability to grant/revoke (Enable/Disable) authority to applications for an individual user. The display presents all applications already granted to the User's Group profile, as well as, those additional applications not granted to the Group profile.

The initial screen will provide for a filter by Location. If blank, then all users will be shown that the requesting user has authority to.



User Authority Edit Detail

estēe lauder							•\$ X ;	3 ● =				
🗾 Joe Marx	Home / User Authority / Edit											
🐣 User Profile	Concession of the local division of the loca											
🚑 User Approval				Loc-Тур	Sub Location	Description / Name						
ත්රී User Authority	relative		00102	* PARTNER		Estée Lauder Inc.						
🛫 🧳	Loc / Store		12345	* STR		CLQ Store 12345						
	User ID		fdolengo	Fred Dolengo								
📀 Rental Maint												
② Real Time Status												
📑 Inventory Info												
Available to Promise		1						50 *				
	User / Group	Ŷ	Description				Authorized					
	* STRASSOC		Available To Promise (Al	ГР)			Yes					
Inventory Detail	fdolengo		Forgot Password				× NO					
🏷 SKU / Item Lookup	fdolengo		InvCld Inving									
€ Order Inquiry												
G	fdolengo		InvCld InvTrn				× NO					
	fdolengo		InvCld InvTrn Test Bench	n			× NO					
	* STRASSOC		Inventory Detail				Yes					

The User Authority provides the ability to grant/revoke (Enable/Disable) authority to applications for an individual user. The display presents all applications already granted to the User's Group profile, as well as, those additional applications not granted to the Group profile.

This detail screen provided for a 'toggle' approach to turn On/Off functional authority by user.

User Group Maintenance Selection

ES	tēe lauder							≪ X 2 ⊕ ≡				
	Joe Marx Home / User Group Maintenance											
4	User Profile	User ID:		Location/Store:								
2+	User Approval	*ALL				Q Search						
٥í۵	User Authority			(Loc/Store or *ALL)								
**	User Group Maint											
Ø	Location Maint	User ID	User Name		Group	Location	Status	Actions				
0	Real Time Status											
11	Inventory Info											
\bigcirc	Available to Promise											
\bigcirc	Inventory Inquiry											
\bigcirc	Inventory Detail											
\bigcirc	SKU/Item Lookup											
Ð	Order Inquiry											
	G											

Provides for the selection of both Location(s) and User(s) to display for User Group Maintenance.



User Group Maintenance Display

ES	tēe lauder											« X 2	• =
	Joe Marx	н	ome / User Group Mainte	nance									
<u> </u>	User Profile		User ID:		Location/Store:								
2+	User Approval		*ALL					Q Search					
ے آ	User Authority		(User, #All, genetic*)		(Loc/Store or *ALL)								
*	User Group Maint					_							
۲	Location Maint												50 •
0	Real Time Status		Iser ID	llser Name		<u>^</u>	Group	~		Status	<u>^</u>	Actions	
11.	Inventory Info		aa2	aaa 777		~		Ť	12345	Inactive			
\bigcirc	Available to Promise	-					*STRASSOC					Update	
\bigcirc	Inventory Inquiry	a	aaa2	aaa zzz			*STRASSOC		12345	Inactive		Update	
\bigcirc	Inventory Detail	ā	aaa3	aaa I zzz			*STRASSOC		12345	Pending		Update	
\diamond	SKU/Item Lookup	ā	aaa3	aaa l zzz			*STRASSOC		12345	Pending		Update	
Ð	Order Inquiry	a	3334	aaa l zzz			*STRASSOC		12345	Pending		Update	
		ā	aaa4	aaa l zzz			*STRASSOC		12345	Pending		Update	
		a	1225	aaa L zzz			terniccoc	le l	12345	Inactive			

Provides for the entry of a Group Id by User/Location.



User Group Maintenance Display (continued)

		*STRASSOC			Update	
aaa5	aaa L zzz	*STRASSOC	12345		Update	
аааб	aaa I zzz	*STRASSOC	12345	Pending	Update	
аааб	aaa l zzz	*STRASSOC	12345	Pending	Update	
aaa7	aaa l zzz	*STRASSOC	12345	Pending	Update	
aaa7	aaa l zzz	*STRASSOC	12345	Pending	Update	
aaa8	aaa zzz	*STRASSOC	12345	Pending	Update	
aaa9	aaa zzz	*STRASSOC	12345	Pending	Update	
abc10	aaa zzz	*STRASSOC	12345	Pending	Update	
abc11	aaa zzz	*STRASSOC	12345	Pending	Update	
adriano72	Adriano Z Chiaretta	*ADMIN	00102	Active	Update	
adrianonew	Adriano Z Chiaretta	*ADMIN	00102	Active	Update	
Appanite	user account	*STRASSOC	12345	Inactive	Update	
Appanite	Appanite Appanite	*ADMIN	00102	Active	Update	

Provides for the entry of a Group Id by User/Location.

... continued from previous screen.



Location Maintenance Selection

EST	iêe lauder										05	x c	• =	
	Joe Marx	н	lome / Location Main	tenance										
4	User Profile		Location/Store:			Loc Type:								
2+	User Approval							Q Search						
<u> </u>	User Authority					(*Str or *Partner)								
-	User Group Maint	-			_						_			
0	Location Maint				i							Г	50 .	1
0	Real Time Status		Parant	Turne ^	10	nation/Store	Type	,	~	Description (Name	~	Actions		
11.	Inventory Info			iyhe 🗠	00		*DART	NER	~		~ '			
\bigcirc	Available to Promise				00		PAIN	NEN				Edit		
\diamond	Inventory Inquiry													
\diamond	Inventory Detail													
\diamond	SKU/Item Lookup													
Ð	Order Inquiry													
	G													

Provides for the selection of a Location(s) to display for Location Maintenance.

Based on selection, or default of *ALL, displays results of previous selection for the maintenance of an individual location.



Location Maintenance Edit

estēe lauder							« X	2 🕒	=					
🗾 Joe Marx	Home / Location Ma	aintenance / Edit												
🐣 User Profile		Parent Type Location/Store Type Description/Name												
峰 User Approval	Parent	Туре	Location/Store		Туре	Description/Name								
لَمَ الله User Authority			00102		*PARTNER	Estée Lauder Inc.								
🚰 User Group Maint							_							
Location Maint	Modify / Edit l	ocation as appropr	iate		Contact Informatio	n								
 Real Time Status 														
📑 Inventory Info	Description:				First Name:									
🎲 Available to Promise	Estée Lau	der Inc.			Britt	_								
S Inventory Inquiry	Status:				Middle Int:									
	Active			÷	А м		_							
	Street:				Last Name:									
SKU/Item Lookup	💡 🛛 767 Fifth /	Avenue	A CONTRACTOR OF THE OWNER OF THE		l Overeem									
€ Order Inquiry	City:				Telephone:									
G	9 New York				415.722.5555									

Detail Location Maintenance edit display allowing for the maintenance of location criteria and attributes.



Real Time Status Selection

ES	iēe lauder										≪ X 2 ⊕ ≡
	Joe Marx		Home / Real	Time State	uş						
4	User Profile		Date:		Hour:	Environment:	Store:	Application:	Status:	Type:	
2+	User Approval		2018-09	-29							Q Search
<u> </u>	User Authority				(0-23)						
**	User Group Maint										
0	Location Maint										
0	Real Time Status	4	Date	Hr	Environment	Store	Application	# Rqs	Total Time	Avg/Rqs	Description
11.	Inventory Info										
	Available to Promise										
\bigcirc	Inventory Inquiry										
\bigcirc	Inventory Detail										
\bigcirc	SKU/Item Lookup										
€	Order Inquiry										
	G										

This display provides for the entry of filter values to display status activity by web service application (API).



Real Time Status Selection Display

ESTĒE LAUDER															≪ % 2 ⊛ ≡
Ø	Joe Marx	e Marx Home / Real Time Status													
4	User Profile		Date:			Hour: Fr	vironmen	t.		Store [.]	Application	n	Status	Type	
2+	User Approval		2018-09-29				VII OTTITET							- OFA	Q Search
<u> </u>	User Authority					(0-23)									
**	User Group Maint														
۲	Location Maint														
0	Real Time Status	4													50 🔻
10.	Inventory Info		Date 🔶	Hr	\$	Environment	Store	\$	Applicatio	on \$	# Rqs 🗘	Total Time 🗘	Avg/Rqs	\$	Description 🗘
\diamond	Available to Promise								Totals:		15	24.1590	1.6106		
\sim	Inventory Inquiry		2018-09-29	11		CLQ	CLQ		UsrLst		1	1.6790	1.6790		User List
\diamond	Inventory Detail		2018-09-29	11		CLQ	CLQ		UsrGrp		1	1.7170	1.7170		User Group Maint
\odot	SKU/Item Lookup		2018-09-29	11		CLQ	CLQ		UsrEdt		2	2.3650	1.1825		User Edit
•	Order Inguin		2018-09-29	11		CLQ	CLQ		UsrApr		2	2.2850	1.1425		User Approval
অ			2018-09-29	11		CLQ	CLQ		SkuLookl	qL	1	1.1420	1.1420		Sku Lookup Detail
	G		2018-09-29	11		CLQ	CLQ		Ordering	uiry	1	1.2910	1.2910		Order Inquiry
			2018-09-29	11		CLQ	CLQ		Login		1	5.0840	5.0840		User Login (CLQ)
			2018-00-20	11		CLO	CI O		LocMot		1	2 3550	2 3550		Location Maint

Example of status activity displayed by web service application (API).



The iWebSrv Solution



What makes iWebSrv different is its ability to isolate the web input and output processing (**Front-End**) from the user's IBM i production environment, associated programs and databases (**Back-End**).

The Front-End and Back-End are generally two different LPARs with the communication between them utilizing an event driven processing model.

This provides a highly secure, robust and performance oriented environment while at the same time being scalable, configurable and easy to use.



iWebSrv was developed to provide IBM i customers a secure, robust, end-to-end web services solution that meets the demands of the smallest to the largest organizations.





How does it work?

iWebSrv gives IBM i programmers the tools necessary to easily support web requests without the need for any knowledge of the HTTP server or web complexities — save for the formatting of the response, usually in XML or JSON.

Simply put, the function of most, if not all, web service APIs is to:

- 1. Retrieve the request value;
- 2. Parse the request value(s);
- 3. Process the request;
- 4. Format the response;
- 5. Return/send the response back.



iWebSrv makes it easy.

There are seven (7) parameters:

#	Parameter	Description/Value
1	Action	START, PROCESS, or ENDPGM
2	Application Pointer	A pointer to the web service API in table WebSrvCfg
3	Queue Control Id	The unique transaction id from the Front-End processor
4	Input Length	Length of Input Data
5	Input Pointer	Pointer to Input Data
6	Output Length	Length of Output Data
7	Output Pointer	Pointer to Output Data

*	*		
* Input Param	neters *		
dEntry Plist	* Pr	Extrom ('WEBCUSINO')	
d pAction		7	
d pApl Ptr		*	
d pQue Ctl		20	
d pInp_Len		10i 0	
d pInp_Ptr		*	
d pOut_Len		10i 0	
d pOut_Ptr		*	
dEntry Plist	Pi		
d pAction		7	
d pApl Ptr		*	
d pQue_Ctl		20	
		101 0	
d pInp_Len			

Plus, sample applications, templates, tools and more!



Configuration Table

Job: QPADEV0002	e-PFR Technologies, Inc. Program: WEBCF	GMNT
User: IWEBSRV1	Web Service: Configuration File Maint 12.06.07 2017-	05-14
Application Code:	: <mark>WebCusInq Syst</mark> em: EPFR3	
Environment:	: <u>IWS</u> Front-End Sys: <u>EPFR2</u> Dup Env Code: Dup Front-End:	
Description:	: <u>iWebSrv: Customer Inquiry</u> Available: <u>Y</u> (Y=Yes; N=No.)	
Status:	: <u>A</u> (A=Active; I=Inactive.) Print Audit: <u>Y</u> (Y=Yes; N=No.)	
Queue Type:	: <u>DTAQ</u> (DTAQ or MSGQ) Encrypt InBnd: <u>N</u> (Y=Yes; N=No.)	
Synch/Asynch:	: <u>S</u> S=Synch(Put/Get); A=Asysch(Put only) Encrypt UutBn: <u>N</u> (Y=Yes; N=No.)	
UI Menu Uption:	: <u>Y</u> (Y=Yes; N=No.) Decode InBnd: <u>N</u> (Y=Yes; N=No.)	
Write to Log File:	: <u>Y</u> REQUEST_UKI: <u>Y</u> HITP Request: <u>Y</u> HITP Response: <u>Y</u> Encode UutBn: <u>N</u> (Y=Yes; N=No.)	
HUTHORIZATION LODE:	: _ (blank=None; I=JDH.) Hpplication Lode: Expiries: (Minutes)	
Eront-End:	Back-End	
Sustem Name:	· EPER2 Sustem Name: EPER3	
Annlication Ctl Pom:	: WSAPLCTIDD Lib: WEBSRVITE Application Ctl Pom: WSRSPNEPDD Lib: WEBSRVITE	
Sequence # Name:	: IWSROSSED Lib: IWEBSRV Application Program: WEBCUSINO Lib: *LIBL	
	NEP Job Name: WSCUSINO	
	NEP Job Description: WEBNEPJOBD Lib: WEBSRVLIB	
	NEP Job Queue: <u>WEBNEPJOBO</u> Lib: <u>WEBSRVLIB</u> NEP # Threads/Jobs: <u>1</u>	
👘 Data Queue Model:	: Message Queue Model:	
Inbound Dta Queue:	: <u>WEBSRV INP</u> Lib: <u>WEBSRVLIB</u> Msg Queue Manager:	
Outbound Dta Queue:	: <u>WEBSRY OUT</u> Lib: <u>WEBSRYLIB</u> InBound Msg Queue:	
Outbound Wait Time:	: <u>90</u> InB_Msg_Persistent: <u>N</u> _Pri: <u>1</u> _Exp: <u>0</u> _Wait: <u>0</u> (1000=1Sec;0=Unlim	ited)
	OutBound Msg Queue:	
	UutB Msg Persistent: <u>N</u> Pri: <u>1</u> Exp: <u>0</u> Wait: <u>0</u> (1000=1Sec;0=Unlim	ited)
F-Keys: F3/F12≡Exit; InfMsg: Update Appli	; F5=Refresh/Reset; F9=Toggle Formats; F11=Update; F13=Delete. ication Code values as appropriate.	



iWebSrv Demo

Customer Inquiry (QCUSTCDTPC in QIWS)

Request URL:

http://epfr2.iinthecloud.com/iWebSrv-IWS/WebCusInq/AcctId/1000/?

```
{"CusNbr":"","CusNam":"","CusStr":"","CusSte":"NY"}
```

Response:

{"Error":"N","MsgDta":"","SysNam":"EPFR3","Rows":[

["839283","B D Jones","21B NW 135 St","Clay","NY","13041","400","1","100.00",""],

["192837","F L Lee","5963 Oak St","Hector","NY","14841","700","2","489.50",".50"],

["397267","W E Tyron","13 Myrtle Dr","Hector","NY","14841","1000","1","",""]]}

Request and response must be formatted according to pre-defined protocol. Request is below:

Name/ Label:	Description:	Length	R=Required O=Optional	Comment
CusNbr	Customer Number	6	0	
CusNam	Custmer Name	12	0	
CusStr	Address: Street	13	0	
CusCty	Address: City	6	0	
CusSte	Address: State	2	0	
CusZip	Address: Zip Code	5	0	
CusCrl	Credit Limit	4	0	
CusChg	Charge Code	1	0	
CusBal	Balance Due	7	0	
CusCdt	Credit Due	7	0	



iWebSrv Demo

Customer Inquiry (QCUSTCDTPC in QIWS)

	NebSrv	<i>i</i> in the cloud a world of opportunities!									
	De	mo: Customer In	quiry List	with fi	lters (AJA	X with J	SON))			
Submit											
Cubinit			-								
Cust No	Name	Street	City	St	Zip	Cr Lmt	Cde	Bal Due	Cr Due		
i	WebSrv	i in the cloud a world of	l opportu	initie	5!						
	Der	no: Customer Ind	quiry List	with fi	lters (AJA	X with J	SON)				
Submit	System=EPFR3:	Elapsed=0.292									
Cust No	Name	Street	City	St	Zip	Cr Lmt	Cde	Bal Due	Cr Due		
583990	M T Abraham	392 Mill St	Isle	MN	56342	9999	3	500.00	,		
846283	J S Alison	787 Lake Dr	Isle	MN	56342	5000	3	10.00			
475938	J W Doe	59 Archer Rd	Sutter	CA	95685	700	2	250.00	100.00		
938472	G K Henning	4859 Elm Ave	Dallas	TX	75217	5000	3	37.00			
938485	J A Johnson	3 Alpine Way	Helen	GA	30545	9999	2	3987.50	33.50		
839283	B D Jones	21B NW 135 St	Clay	NY	13041	400	1	100.00			
192837	F L Lee	5963 Oak St	Hector	NY	14841	700	2	489.50	.50		
389572	K L Stevens	208 Snow Pass	Denver	CO	80226	400	1	58.75	1.50		
693829	A N Thomas	3 Dove Circle	Casper	WY	82609	9999	2				
397267	W E Tyron	13 Myrtle Dr	Hector	NY	14841	1000	1				
392859	S S Vine	PO Box 79	Broton	VT	05046	700	1	439.00			
593029	E D Williams	485 SE 2 Ave	Dallas	TX	75218	200	1	25.00			



Put your IBM i in the cloud with iWebSrv!



At iWebSrv we can get you up, running and supporting web services in no time at all.

Think of it. Customers, suppliers and business partners, all interacting with your IBM i via a web service, getting an exchanging the information they need in real time.

