Budget Prepay, Inc.

MVNO API System

User Guide 3.0

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Revision History

Release	Date	Ву	Description
1.0	11/4/2013	Steve Thomas	Device Inquiry - added
			Device Activation - added
			Device Activation Port - added
			Order Inquiry - added
			Management Console - added
1.2	11/11/2013	Steve Thomas	Update Bucket - added
			Delete Bucket - added
			Add Bucket – added
			Search Bucket -added
			Validate MDN Portability – added
			Change ESN – added
			Plan Code attribute on requests - added
			Management Console User Edit bug - fixed
			Many to many group/plan code relationship – added
			Types description, please see WSDL - removed
1.2	11/14/2013	Steve Thomas	Input & Output parameter for each operation - added
1.4	11/18/2013	Steve Thomas	Remove Hotline - added
			Activate Hotline Subscriber –added
			Hotline Subscriber – added
			WS-Security - added
			WDSL Documentation, annotations – updated
			WDSL element restrictions – updated
			Generic Request reporting – added
1.6.0	11/29/2013	Steve Thomas	Additional Verizon operations
			Ensure userId is being passed to Verizon, for compliance
			purposes see page 7 of CCT guide
			Ensure the transactionId field is left blank
			Disabled WS-Security due to complexity of Microsoft
			support, will attempt to re-enable in later releases
1.6.1	12/01/2013	Steve Thomas	Fix several bugs, write tests
1.6.2	12/04/2013	Steve Thomas	Fix several bugs, write tests
1.6.3	12/06/2013	Steve Thomas	Refactored VerizonEndpoint to reduce code redundancy,
			add better exception handling and client feedback, fixed
			changeESN operation
1.8.0	12/08/2013	Steve Thomas	Hardening Sprint, updated documentation, add C# and Java
			client samples
2.0.0	1/5/2014	Steve Thomas	Add Top Up operations, Enabled WS-Security
3.0.0	1/17/2014	Steve Thomas	Add BeQuick T-Mobile operations

Introduction

The Budget Prepay MVNO API System (MVNO) is an aggregator of internal and third party wireless provisioning services. It also attempts to apply Budget Prepay product branding features to the customer facing interfaces.

MVNO customer facing interfaces are built with open standards that aim to ensure ease of integration at the lowest possible labor cost. Integration developers are assumed to have exposure to open web services standard.

Support and Feedback

Please use the contact information below to submit questions, bugs, or feature suggestions.

Email: steve.thomas@softwarelikeyou.com

Phone/Text: (713) 444-3489

WSDL Interfaces

If an operation's annotated description is vague or is not included, please send feedback (see Support and Feedback).

Verizon (3G only)

http://mvno-api01.budgetprepay.com/MVNO/Verizon.wsdl

TopUp (Budget Prepay)

http://mvno-api01.budgetprepay.com/MVNO/Topup.wsdl

BeQuick (T-Mobile only)

http://mvno-api01.budgetprepay.com/MVNO/Bequick.wsdl

Security

MVNO currently implements the WS-Security standard and in the near future HTTPS.

An example of a WS-Security header with plain text password is below. For specify implementation examples, please see http://mvno-api01.budgetprepay.com/MVNO/Sampeles.zip. Current samples are C# and Java, but other client technologies can be add by request (see Support and Feedback).

NOTE: SoapUI is a good testing tool – www.smartbear.com

Management Console

The MVNO Management Console has a primary purpose of user and group management, but it can be helpful during request troubleshooting as well as, reporting on activity.

Current key features include:

- Manage Groups (Partners) admin only
- Manage Users admin only
- Reset of user passwords
- View raw XML of operations (filtered by user's permissions)
- View and download requests (by group)
- Support graphs of operational activity based on groups

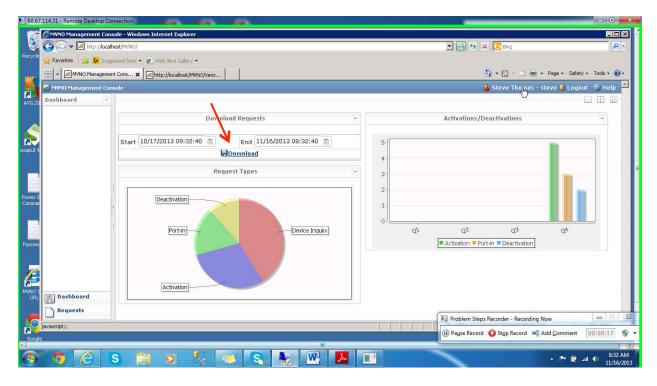
Location

http://mvno-api01.budgetprepay.com/MVNO/

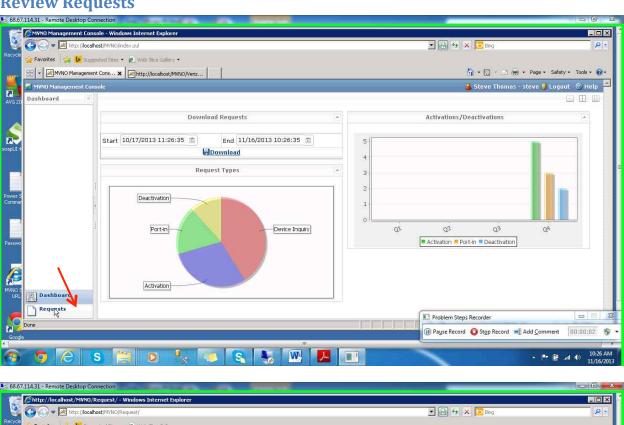
NOTE: User's login into the Management Console with plain text password. Future releases will force HTTPS.

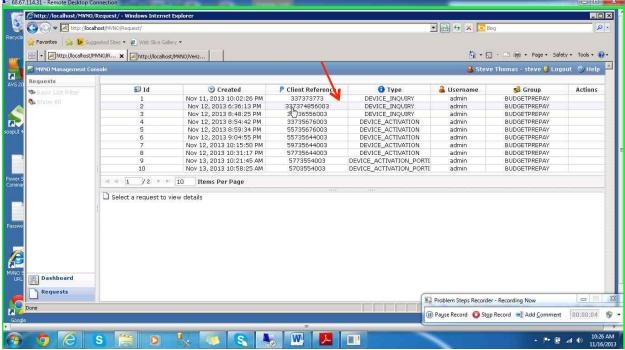
Reports

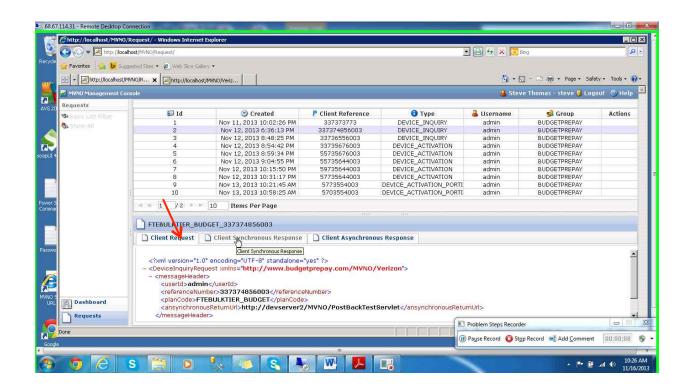
Users of the Management Console my review/download Requests based on the user's group attribute and date ranges.



Review Requests







Definitions

If a definition is vague or is not included here, please send feedback (see Support and Feedback).

Term	Definition		
UserId	Validate user account create with the MVNO Management Console, must be		
	submit as part of the request within the MessageHeader		
RefereneNumber	A unique number generated by the reseller with a max length of 50		
	characters, must be submit as part of the request within the		
	MessageHeader		
AnsynchronousReturnUrl	Reseller's URL for asynchronous responses. Ex.		
.,	http://companyname.com:8080/response. The total size of this field is 255		
	characters, , must be submit as part of the request within the		
	MessageHeader		
ReturnCode	Request Return code, example "00"		
ReturnText	Return Text is the Return Message corresponding to the Return Code returned,		
	example "SUCCESS"		
AccountNo	Account Number to be used for the order		
ZipCode	Zip Code in which the service/change requested		
MDN	Mobile Directory Number to be activated. Ex. 4045551212		
ESN	The NPA and NXX Number for selecting an MDN from the pool of available MDNs.		
	Ex. 404555		
MEID	Mobile Equipment Identifier containing 14 hexadecimal digits		
FeatureCode	Billing system feature codes. Note: The reseller can add multiple features by adding		
	more <feature> subsections into the transaction.</feature>		
PlanCode	Price Plan Code based on the codes provided to the reseller. Ex. P004		
MPNPoolName	The name of a valid Mobile Private Network. MPNPoolName is optional for		
	activation, unless the MPNSIP or MPNDIP feature is added. Also, if		
	The MPNPoolName is added one of these features must be present in the XML		
MobileIPAddress	document.		
MobilerPaddress	The mobileIPAddress element supports the Static IP or RestricteIPAddres functionalities. A Static IP or Restricted IP Address to be associated with the order.		
	This IP Address must be 12 characters long. There can be no blank spaces or dots		
	('.') between digits. All characters must be digits. No alphabetic or control		
	characters are accepted. Each segment may not exceed a value greater than		
	255.Each segment must consist of 3 digits.		
SSN	SSN: 000000000 or 000-00-0000 (nine digits, dashes are optional)		
TaxId	Company Tax ID: 0000000000 or 00-00000000 (ten digits, dashes are optional)		
Make	Device manufacturer		
Model	Device model		
Mode	Device mode of information transmission		
Iccid	ICCID i.e. Physical ID of the SIM card		
BalanceType	Account Balance Type can be "primary", "secondary", or "both"		
Sweep On	'true' or 'false'		
reTime	Recharge Date		
balanceValue	Bucket Balance		
sourceld	Bucket ID		
Uom	Bucket Unit of Measure		
bucketValue	Bucket Value		
expTime	Expiration Date		
- h	r		

sourceValue	description		
canUpdate	'false' to indicate whether a user with appropriate permissions can update		
	the bucket.		
canDelete	'true' or 'false' to indicate whether a user with appropriate permissions can		
	delete the bucket.		
numBuckets	Number of buckets returned		
primaryBalance	Account balance		
endDate	Date bucket expires (must use minutes		
	or dollars by this date)		
adjustmentType	INCR, DECR, or SETEXPIRATION		
adjustmentValue	INCR or DECR: Integer amount by		
	which to modify bucketValue		
	SETEXPIRATION: MM/DD/YYYY date		
	to which to modify expiration value of		
	bucket		
SubOrgID	A conditional element and is used with MPNPoolName, when more than		
	one MPN is in use by a Reseller.		
authorizationStatus	Authorization Status 'Y' if authorized; Otherwise 'N' (no quote marks)		
(aStatus)			
Hotline Type	This tag can only have one of the following values: FRAUD, REGULAR,		
	ROAMING		
Hotline Number	Hotline Phone Number provided by the reseller. This is the phone number		
	that the MDN will be hotlined to. Ex. 7175975066		