Oracle Communications Software

ASAP Cartridge for the Alcatel 8618 Convergent Rating Engine (CRE)

Vendor: Alcatel 8618

Technology: Convergent Rating Engine (CRE)

Software Load: WSTR2

Protocol: SOAP / HTTP

ASAP Version: ASAP 5

Rollback Supported: Y

The Alcatel Convergent Rating Engine (CRE) network element performs rating and balance management of prepaid (GSM, 3G, CDMA) and postpaid (real time cost control) products and services.

Supported Services

This cartridge supports configuration of the following services:

- Account
- Customer
- Adjustment
- Top-up
- Call History
- Customer Account
- Commercial Offer
- Customer Subscription
- Friends and Family
- Spend Limit
- CusSub
- Bucket
- Counter

Account

Service	Description
Get Account Balance	Use to return the current value of the main balance of a given account and bundle balances of a given account.
Get Account	This returns all the values of an account except bundle details.
Create Account	Used to create an account.
Modify Account	Used to update a given account.
Activate Account	Used to activate a given account.
Manage Spend Limit	Manage the spend limit of a given account.
Manage Low Credit Notice	Manage the low credit notice of an account.
Manage Pay Trigger LCT	Used to manage the payment trigger based on low credit.
Manage Price Plan	Manage the price plan for a given account.
Remove Account	This request is used to remove a given account.
Block Account	Used to block the account to facilitate temporary disconnect.
Balance for Bundles	Used to transfer credit from account balance to bundles.
Set Scratch Card Suspend Flag	Used to set the scratch card reload suspended flag to suspend or not.
Immediate Charging Request	This request is used to charge a one-off fee to an account.

Customer

Service	Description
Get Customer	Get the details of a customer.
Create Customer	Create a customer.
Modify Customer	Modify the customer details.
Remove Customer	Remove a customer from a given service provider.

Update Customer Status	Update the customer status to facilitate temporary suspend.
Change MSISDN	Change the MSISDN of a given customer.
Manage Closed User Group	Manage the closed user group feature for a given customer.
Modify Customer BAID	Modify the Customer Billing and Account ID
Remove Customer and Data	Remove the and all associated objects

Adjustment

Service	Description
Make Adjustment	This request is used to adjust the main balance of a given account. The adjustment shall be the delta applied to the current balance and this can be a credit or debit adjustment.
Get Adjustment Top-up History	Used to retrieve a list of history details including adjustment and/or top-up of a given customer.

Top-up

Service	Description
Make Top-up	This is used to make top-up the value of the main balance of a given account. The top-up shall be the delta applied to the current balance.

Call History

Service	Description
Get Call History	Used to retrieve a list of call history of a given customer.
Get Statement Details	Used to extract the information of call adjustment and top-up history to a zip file. The file name of the zip file will be returned in the request if data is found. The zip file will contain two data files, call history file, and adjustment/top-up file. Only up to 90 days of data is

	possible to retrieve.

Customer Account

Service	Description
Get Customer Account	Get the details of the customer account.
Modify Customer Account	Modify the customer account.
Create Customer Account	A customer can be linked to as many accounts as wanted but of course each account of one customer must be named differently. This request is used to link the account to the customer.
Remove Customer Account	Remove the link of the account from the customer.
List Customer Account	List all the available customer accounts belonging to a given customer.

Commercial Offer

Service	Description
List Commercial Offer	List all the available commercial offers that belong to the service provider ID.

Customer Subscription

Service	Description
Create Customer Subscription	Used to create a customer subscription.
Modify Customer Subscription	Used to modify the optional fields of a customer subscription.
Remove Customer Subscription	Used to remove a customer subscription.
Get Customer Subscription	Used to return the details of a customer subscription.
List Customer Subscription	Lists all the available subscriptions belonging to a given customer.

Friends and Family

Service	Description
Create a Friends and Family List	Create a name for the friends and family list.
Remove a Friends and Family List	Remove a record from the friends and family list object.
Get Friends and Family List	Check whether or not a record exists in the friends and family list object.
List FNF List	List all the available lists of a friends and family list of a given service provider.
Create Friends and Family Member	Create a member in the friends and family list.
Remove Friends and Family Member	Used to remove a friends and family member from a friends and family list.
Get Friends and Family Member	Used to check whether or not a friends and family member exists in the friends and family list.
List Friends and Family Member	List all the available friends and family members that exists in the friends and family list for a given service provider.
Remove Customer FNF List	Remove the Customer Friends and Family List.

Spend Limit

Service	Description
Activate Spend Limit	Used to create a spend Limit.
Modify Spend Limit	Used to modify the optional fields of a spend limit.
Deactivate Spend Limit	Used to remove a spend limit.
Display Spend Limit	Used to return the details of a spend limit.

CusSub

Service	Description
Create CusSub	Used to create a customer subscription.
Modify CusSub	Used to modify the optional fields of a customer subscription.
Remove CusSub	Used to remove a customer subscription.
Get CusSub	Used to return the details of a customer subscription.
List CusSub	Lists all the available subscriptions belonging to a given customer.

Bucket

Service	Description
Create Bucket	Used to create a Bucket.
Modify Bucket	Used to modify the optional fields of a Bucket.
Remove Bucket	Used to remove a Bucket.
List Buckets	Lists all the available Buckets.

Counter

Service	Description
Create Counter	Used to create a counter.
Modify Counter	Used to modify the optional fields of a counter.
Remove Counter	Used to remove a counter.
List Counters	Lists all the available counters.

Cartridge Contents

This ASAP cartridge includes:

- Service Actions
- Network Actions
- Action processors

- Installation scripts
- Sample work orders
- Design document

Cartridge Extension Notes

There are some limitations with this network element associated with some of the functions. For example when deleting a Friends and Family list it is first necessary to remove the members from the Friends and Family list before the list can be deleted. In addition to the atomic actions that perform the individual actions (e.g. remove Friends and Family member, remove Friends and Family list) it would be ideal to support an atomic action that performs multiple deletes in one go. This could work in conjunction with a query to first retrieve the members in the Friends and Family list.