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NAS Release 1-1191

Release Date

2009-08-19

Highlight

- Option to Post Rate on Logical Original URL and Logical Termination URL
- Post Rating with LERG Class
- Improved Pre and Post Rating Performance
- Rate Plan Chaining
- Rate Deck Import

Resolved Issues

Issue #	Issue Type	Descriptions
NS00137	Feature	Search Card/Account by Serial Number
NS00149	Feature	Add Server selection to Post Rate schedule

Database Changes

Table	Fields	Descriptions
audit_log	`action`	To accommodate more variety of actions
cdr	`time_ring`	To record start of Ringing time
cdr	`lergclass`	To record LERG Class
post_rating	`db_dsn`	To support post rating targets with same domain across multiple servers
post_rating	`rate_class`	To select post rating with or without referencing the LERG Class
post_rating	`fetch_class`	To select fetching the Route Class from the NMS or not
post_rating	`rate_logi_orig`,`rate_logi_term`	To select Rating with Logical instead of Physical Origination and Termination URI
post_rating	`x_prefix_orig`,`x_prefix_term`	Translation Rules for Origination and Termination Number
recharge_cards	`time_update`	Added `time_update` to log the time of last update
recharge_cards	PRIMARY KEY	Change PRIMARY KEY to (`serial_number` , `domain`)
ratetable	`class`	Add `class` field to specify LERG class
ratetable	INDEX	Add INDEX (`termdomain`,`termprefix`,`class`)

ratetable	ENGINE	Alter table type to Innodb
rate_plan	`next_plan_name`, `next_plan_domain`	To implement Rate Plan chaining
status	`counter_soap_req_quote`	To report SOAP ChargeQuote statistic

Changes

CPP Code

Issue #	Descriptions
	Add system option "RateOrigLogi" and "RateTermLogi" for Post Rating to reference Logical Orig URI and/or Logical Term URI
	Added `class` field to rateplan table.
	Add `counter_soap_req_quote` to report SOAP ChargeQuote statistic
	Improved Rate lookup speed by a "Hint" to narrow the search. The "Hint" is a guess of the prefix length configured by the system parameter "RateHintLen" (default to 6)
	Added Rate Plan Chaining with the "next_plan_name" and "next_plan_domin" in the Rate Plan entry
	Post Rate fetch Ring Time from NMS
	Replaced System Parameter "SrvDebitDelay" by "SrvDebitLagHour" to allow Service process closer to end of Service Period
	Added System Parameter "BillingLagHour" to allow Bill Generation to occur closer to end of Billing Period
	Added LergClass to ChargeQuote and ChargeCreate SOAP messages and RingTime to ChargeAnswer and ChargeRelease SOAP messages
	Option per Post Rate entry to fetch and rate LERG Class from NMS or to Rate with LERG Class Lookup at NAS
NS00149	Post Rating entry explicitly specify DB's DSN to support post rate target with same domain name from multiple target servers
	Replaced RATE_ORIG_LOGI and RATE_TERM_LOGI by RateLogiOrig and RateLogiTerm in Post Rating per entry configuration.
	Added 'x_prefix_orig' and 'x_prefix_term' to translate Origination and Termination number prior to Rating

UI Code

Issue #	Descriptions
NS00137	Added option (UI_SHOW_ACCT_SERIAL_NUMBER) to display associated Recharge Card S/N , and a Search box for S/N
	Added Search Box for S/N and Activation Code to Prepaid Card - Examine page
	Added UI_SHOW_AUDIT_LOG to control showing of the Operator Log

	In Prepaid Card page, replaced the control of option to edit card from ACCESS_MASK_TAC to UI_MODIFY_PROVISION
	Added Create Country Code from Union of Prefix from all Rate Plan in the corresponding Domain
	Added RateDeck Import (selected by UI_SHOW_RATEDECK_IMPORT)
	Added Nms Route Export (selected by UI_SHOW_NMS_ROUTE_EXPORT)
	Added "Req Quote" to Processing Statistic
	Added "Next Plan" to Rate Plan
	Added "Ring Time" and "LERG" to Call History
NS00149	Added "Server", "Rate Class" and "Fetch Class" options to Post Rating
	Added "Logical Orig" and "Logical Term" to Post Rating to select rating the Logical vs Physical URI
	Added "Translate Orig Number" and "Translate Term Number" to specify the translation rule for the Origination and Termination number prior to Rating
	<p>Added System Update To 1-1191</p> <ul style="list-style-type: none"> • Add `recharge_cards`.`time_update` • Change `recharge_cards` PRIMARY KEY to (`serial_number` , `domain`) • Add `rateplan`.`class` • Add INDEX (`termdomain`, `termprefix`, `class`) to ratetable • Add `status`.`counter_soap_req_quote` • Add `rate_plan`.`next_plan_name` and `next_plan_domain` • Alter table ratetable ENGINE=innodb • Add `cdr`.`time_ring` and `lergclass` • Add `post_rating`.`db_dsn` and `rate_class`, `rate_logi_orig`, `rate_logi_term`, `x_prefix_orig`, `x_prefix_term` and `fetch_class` • Add PRIMARY KEY (`db_dsn`, `account_domain`, `account_user`, `charge_to_domain`, `charge_to_user`) • Initialize `post_rating`.`db_dsn` from `domain`.`db_dsn` • Change `audit_log`.`action` to varchar(31)

Upgrade Procedures

- Upload and untar LERG-for-NpsDomain.tar.gz to /usr/local/NetSapiens/Nps/backup
- From tac login System-BackupAndRestore-ConfigurationRestore select RestoreFrom "LERG-for-NpsDomain"
- "Upload UI" Nas_UI_1-1191.tar.gz **(to both sides of a HA pair)**
- "Code Select" UI "Nas_UI_1-1191" **(at both sides of a HA pair)**
- From tac login apply "System Update"-To 1-1191 **(at both sides of a HA pair to update "status" table)**
- "Upload Code" nas-1-1191-fc5.tar.gz
- "Code Select" Code "nas-1-1191-fc5"

