







Crossroads Design for

6.24.00 release

**(AMG – PR 3543)**

* **AMG(PR\_3543)**

Version 1.2

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Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Release Reason - Description of Changes | Author |
| 1.0 | 04/04/2014 | Initial Version | Gaurav Sharma |
| 1.1 | 04/10/2014 | Updated with updated menu label | Gaurav Sharma |
| 1.2 | 05/01/2014 | Updated that company perms will be inserted in the company\_resource table. | Gaurav Sharma |

Table of Contents

[1 Introduction 5](#_Toc386698818)

[1.1 Purpose 5](#_Toc386698819)

[1.2 Definitions, Acronyms, and Abbreviations 5](#_Toc386698820)

[1.3 Correction and Revisions 5](#_Toc386698821)

[2 Software Design 6](#_Toc386698822)

[2.1 High Level Design Details – Permission Level 6](#_Toc386698823)

[ For Non Syniverse Company 6](#_Toc386698824)

[ For Syniverse Company 6](#_Toc386698825)

[2.2 DB View for AMG Analyzer 7](#_Toc386698826)

[2.3 Detailed Permission Level Changes 7](#_Toc386698827)

[2.4 DNS entries 12](#_Toc386698828)

[2.5 Grant Perms 12](#_Toc386698829)

[3 Requirements Tracing Matrix 13](#_Toc386698830)

# Introduction

## Purpose

The purpose of this document is to explain the design of PR 5343 - New permissions for the AMG.

## Definitions, Acronyms, and Abbreviations

Table ; Terminology

| Acronyms and Abbreviations | Description |
| --- | --- |
| GUI | Graphical User Interface |
| CTP | Central Tables Provisioning |
| uid | unique identifier |
| ou | organizational unit (LDAP) |
| MDR | Mobile Data Roaming |

## Correction and Revisions

Please direct comments or suggestions for modification, preferably via email, to:

**Gaurav Sharma**

**813-637-5765**

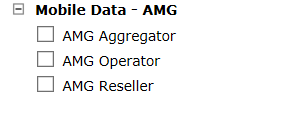
[gaurav.sharma@syniverse.com](mailto:gaurav.sharma@syniverse.com)

# Software Design

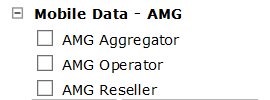
## High Level Design Details – Permission Level

### For Non Syniverse Company

* **Company Permissions:**



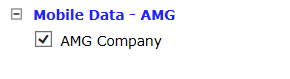
* **User Permissions:**



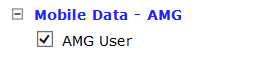
The Non-Syniverse company will get assigned “AMG Aggregator/AMG Operator/AMG Reseller” permission in the company\_resource table.

### For Syniverse Company

* **Company Permissions:**



* **User Permissions:**



The Syniverse company will get assigned “AMG Company” permission in the company\_resource table.

User’s having any of the user permission will see this new Menu Item under Mobile Data tab:



## DB View for AMG Analyzer

AMG Analyzer will be using the OAM Asserter along with an SQL Authenticator that will be accessing our Crossroads database using new views that will be created for this release.

  CREATE OR REPLACE FORCE VIEW "XROADS\_OWNER"."GROUPMEMBERS" ("G\_NAME", "G\_MEMBER") AS

  select aa.rsrc\_id, usr\_login\_id from access\_auth aa, accessor a, user\_xroads ux where aa.accessor\_id = a.accessor\_id and aa.rsrc\_typ\_cd = '2' and a.usr\_id = ux.usr\_login\_id

    and ux.usr\_deleted != 'Y' and ux.usr\_typ\_cd != 'UserGroup'

union

select cmpny\_id, usr\_login\_id from cmpny\_user join user\_xroads on cmpny\_user.usr\_id = user\_xroads.usr\_id where cmpny\_user.accessible\_cmpny\_id is null;

  CREATE OR REPLACE FORCE VIEW "XROADS\_OWNER"."GROUPS" ("G\_NAME", "G\_DESCRIPTION") AS

  select rsrc\_id, rsrc\_desc from resourc where rsrc\_typ\_cd = '2';

CREATE OR REPLACE FORCE VIEW "XROADS\_OWNER"."USERS" ("U\_NAME", "U\_PASSWORD", "U\_DESCRIPTION") AS

  SELECT usr\_login\_id as u\_name, usr\_pssword as u\_password, usr\_name as u\_description

FROM user\_xroads;

## Detailed Permission Level Changes

**New User Permission Group:**

**Permission Group Id:** AMG\_Company\_Group

**Presentation Label:** Mobile Data - AMG

A new Permission Group resource will be added to the RESOURC table with RSRC\_ID:AMG\_Company\_Group

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "Mobile Data - AMG"

The presentation order will be: 0072

This Permission Group will have Presentation label tag :4355

An entry will also be added to the LDAP for this permission group under ou=PermissionGroups, o=Crossroads with attributes as described above

**New User Permission Group:**

**Permission Group Id:** AMG\_User\_Group

**Presentation Label:** Mobile Data - AMG

A new Permission Group resource will be added to the RESOURC table with RSRC\_ID:AMG\_User\_Group

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "Mobile Data - AMG"

The presentation order will be: 03575

This Permission Group will have Presentation label tag :4355

An entry will also be added to the LDAP for this permission group under ou=PermissionGroups, o=Crossroads with attributes as described above

**New Implied Permission:**

**Permission Id:** AMG\_Analyzer\_Implied

**Presentation Label:** Implied AMG Analyzer

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Analyzer\_Implied

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "Implied AMG Analyzer"

The presentation order will be: 0000

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

This Permission will have Presentation label tag :NO\_TRANSLATE

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

This Permission:

Will be implied by Permission: AMG\_Aggregator

Will be implied by Permission: AMG\_Operator

Will be implied by Permission: AMG\_Reseller

Will be implied by Permission: AMG\_User

Will be permission for the menu: AMG\_Analyzer

**New Company Permission:**

**Permission Id:** AMG\_Aggregator\_Co

**Presentation Label:** AMG Aggregator

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Aggregator\_Co

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Aggregator"

The presentation order will be: 0010

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_Company\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4356

This permission is applicable only for nonadmin company types

The Non-Syniverse company will get assigned this permission in company\_resource table.

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

This Permission:

Will be Copermission of Permission: AMG\_Aggregator

**New Company Permission:**

**Permission Id:** AMG\_Operator\_Co

**Presentation Label:** AMG Operator

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Operator\_Co

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Operator"

The presentation order will be: 0020

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_Company\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4357

This permission is applicable only for nonadmin company types

The Non-Syniverse company will get assigned this permission in company\_resource table.

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

This Permission:

Will be Copermission of Permission: AMG\_Operator

**New Company Permission:**

**Permission Id:** AMG\_Reseller\_Co

**Presentation Label:** AMG Reseller

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Reseller\_Co

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Reseller"

The presentation order will be: 0030

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_Company\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4358

This permission is applicable only for nonadmin company types

The Non-Syniverse company will get assigned this permission in company\_resource table.

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

This Permission:

Will be Copermission of Permission: AMG\_Reseller

**New Company Permission:**

**Permission Id:** AMG\_Company\_Syn\_Co

**Presentation Label:** AMG Company

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Company\_Syn\_Co

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Company"

The presentation order will be: 0010

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_Company\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4359

This permission is applicable only for admin company types.

The Syniverse company will get assigned this permission in company\_resource table.

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

This Permission:

Will be Copermission of Permission: AMG\_User

**New User Permission:**

**Permission Id:** AMG\_Aggregator

**Presentation Label:** AMG Aggregator

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Aggregator

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Aggregator"

A Copermission relationship the new permission resource, AMG\_Aggregator\_Co will be added to the RSRC\_TO\_RSRC\_REL table for this resource

The presentation order will be: 0010

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_User\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

An Implied relationship to the permission resource, AMG\_Analyzer\_Implied, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4356

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

**New User Permission:**

**Permission Id:** AMG\_Operator

**Presentation Label:** AMG Operator

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Operator

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Operator"

A Copermission relationship the new permission resource, AMG\_Operator\_Co will be added to the RSRC\_TO\_RSRC\_REL table for this resource

The presentation order will be: 0020

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_User\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

An Implied relationship to the permission resource, AMG\_Analyzer\_Implied, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4357

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

**New User Permission:**

**Permission Id:** AMG\_Reseller

**Presentation Label:** AMG Reseller

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_Reseller

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG Reseller"

A Copermission relationship the new permission resource, AMG\_Reseller\_Co will be added to the RSRC\_TO\_RSRC\_REL table for this resource

The presentation order will be: 0030

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_User\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

An Implied relationship to the permission resource, AMG\_Analyzer\_Implied, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4358

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

**New User Permission:**

**Permission Id:** AMG\_User

**Presentation Label:** AMG User

A new Permission resource will be added to the RESOURC table with RSRC\_ID:AMG\_User

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have a generated ID

- The PRSENTATION entry will have label of "AMG User"

A Copermission relationship the new permission resource, AMG\_Company\_Syn\_Co will be added to the RSRC\_TO\_RSRC\_REL table for this resource

The presentation order will be: 0010

A Product relationship to the product resource, MD-1, will be added to the RSRC\_TO\_RSRC\_REL table for this resource so that the Mobile Data tab will be displayed for any users that are assigned this permission

A PermissionGroup relationship to the new permissionGroup resource, AMG\_User\_Group, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

An Implied relationship to the permission resource, AMG\_Analyzer\_Implied, will be added to the RSRC\_TO\_RSRC\_REL table for this resource

This Permission will have Presentation label tag :4360

An entry will also be added to the LDAP for this permission under ou=PermissionCode, o=Crossroads with attributes as described above

**New Menu Item:**

**Id:** AMG\_Analyzer

**Presentation Label:** Analyzer AMG

A new Menu Group resource will be added to the RESOURC table with a generated RSRC\_ID

This resource will link to a new presentation entry that will be added to the PRESENTATION table

- The PRSENTATION entry will have an ID of AMG\_Analyzer

- The PRSENTATION entry will have label of "Analyzer AMG"

This menu item is visible on the crossroads application when the logged in user has the **Permission Id:**AMG\_Analyzer\_Implied

This menu item will have URL:null

This menu item is placed under the menu group id:MobileData

This menu item is placed under the menu group id:Acc\_Menu\_md

This menu item will have have **ONCLICK/URL** value: **https://${AMG\_ANALYZER}/analytics/**

An entry will also be added to the LDAP for this menu under ou=PresentationObjects, o=Crossroads with attributes as described above

## DNS entries

These are the new DNS entries required

* AMG\_ANALYZER=anzamg-portal-dev-alt.syniverse.com [DEV 6.00]
* AMG\_ANALYZER=anzamg-portal-dev.syniverse.com [DEV Portal]
* AMG\_ANALYZER=anzamg-portal-test-alt.syniverse.com [TEST 6.00]
* AMG\_ANALYZER=anzamg-portal-test.syniverse.com [TEST Portal]
* AMG\_ANALYZER=anzamg.syniverse.com [PROD]

## Grant Perms

No grant Permissions

# Requirements Tracing Matrix

| Traceability Map  Messaging Subject Areas via Analyzer SMS (next gen) Reporting  <http://central.syniverse.com/sites/CUST/pm/PR_3543PMGAnalyzerReporting/Requirements/Forms/AllItems.aspx> | | |
| --- | --- | --- |
| For <Analyzer and PMG/AMG and Crossroads> | | |
| High Level Design | Detail Level Design | System Test Plan |
| <Link to HLD> | <Link to DLD> | <Link to System Test Plan> |

| Requirement  # | Requirement title | Asset/Team | HLD  # | DLD  # | Test  # | Comment |
| --- | --- | --- | --- | --- | --- | --- |
| 3 | FEATURE AND SUPPLEMENTAL REQUIREMENTS |  |  |  |  |  |
| 3.1 | ANALYZER REQUIREMENTS |  |  |  |  |  |
| 3.1.1 | Data from AMG to Analyzer |  |  |  |  |  |
| 3.1.1.1 | AMG Customer Identification |  |  |  |  |  |
| 3.1.2 | Custom Reports |  |  |  |  |  |
| 3.1.3 | Analyzer Spreadsheet |  |  |  |  |  |
| 3.1.4 | Subject Areas |  |  |  |  |  |
| 3.1.5 | Folders |  |  |  |  |  |
| 3.2 | DATA RETENTION REQUIREMENTS |  |  |  |  |  |
| 3.2.1 | Existing AMG Batch Reports |  |  |  |  |  |
| 3.2.2 | Subject Area Data Retention |  |  |  |  |  |
| 3.2.3 | Billing and Refund Area Data Retention |  |  |  |  |  |
| 3.2.4 | Back Populate PMG Archived Billing and Refund Files |  |  |  |  |  |
| 3.3 | CATALOG EXISTING BATCH REPORTS |  |  |  |  |  |
| 3.3.1 | AMG to Create Reports |  |  |  |  |  |
| 3.3.2 | Assign Report IDs |  |  |  |  |  |
| 3.3.3 | Report Filter Selection |  |  |  |  |  |
| 3.4 | CROSSROADS |  |  |  |  |  |
| 3.4.1 | Enable Analyzer AMG into Production Crossroads |  |  |  |  |  |
| 3.4.1.1 | Mobile Data Tab |  |  |  |  |  |
| 3.4.2 | Company Permissions | 2.1/2.2 |  |  |  |  |
| 3.4.2.1 | AMG Operator | 2.1/2.2 |  |  |  |  |
| 3.4.2.1.1 | AMG Operator Analyzer Access |  |  |  |  |  |
| 3.4.2.1.2 | AMG Operator ACCESSibility Access |  |  |  |  |  |
| 3.4.2.2 | AMG Aggregator | 2.1/2.2 |  |  |  |  |
| 3.4.2.2.1 | AMG Aggregator Analyzer Access |  |  |  |  |  |
| 3.4.2.2.2 | AMG Aggregator ACCESSibility Access |  |  |  |  |  |
| 3.4.2.3 | AMG Reseller | 2.1/2.2 |  |  |  |  |
| 3.4.2.3.1 | AMG Reseller Analyzer Access |  |  |  |  |  |
| 3.4.2.3.2 | Multiple Resellers |  |  |  |  |  |
| 3.4.3 | User Permissions | 2.1/2.2 |  |  |  |  |
| 3.4.3.1 | AMG Operator User Permission | 2.1/2.2 |  |  |  |  |
| 3.4.3.1.1 | Operator Analyzer Subject Area Access |  |  |  |  |  |
| 3.4.3.1.2 | Operator ACCESSibility Access |  |  |  |  |  |
| 3.4.3.2 | AMG Aggregator User Permission | 2.1/2.2 |  |  |  |  |
| 3.4.3.2.1 | Aggregator Analyzer Subject Area Access |  |  |  |  |  |
| 3.4.3.2.2 | Aggregator ACCESSibility Access |  |  |  |  |  |
| 3.4.3.3 | AMG Reseller User Permission | 2.1/2.2 |  |  |  |  |
| 3.4.4 | Syniverse Permissions | 2.1/2.2 |  |  |  |  |
| 3.4.4.1 | Company Permission | 2.1/2.2 |  |  |  |  |
| 3.4.4.2 | User Permission | 2.1/2.2 |  |  |  |  |
| 3.4.5 | Help File |  |  |  |  |  |
| 3.5 | DOCUMENTATION AND TRAINING REQUIREMENTS |  |  |  |  |  |
| 3.5.1 | Documentation |  |  |  |  |  |
| 3.5.2 | Training |  |  |  |  |  |
| 3.6 | DATA SECURITY |  |  |  |  |  |
| 3.6.1 | Configure MNO/Reseller Relationship (Desired) |  |  |  |  |  |

1. [↑](#footnote-ref-1)