

Data Quarantine Area



The new Data Quarantine feature provides a level of data quality validation before data enters the database.

Unmapped data (that is, data that the system does not recognise such as a newly installed ANPR link etc) is quarantined within the database where the user can review it and either add it to the database or permanently exclude it. In addition, data that falls outside acceptable user defined values can also be quarantined which helps to identify source data issues but, following review by an Argonaut user, can still be allowed in to the database if it is deemed to be valid.

This feature ensures the highest level of data quality within the database. There is also the ability to ignore future invalid data from a specified source.

The Cloud Amber Argonaut "Quarantine" page provides two key features:

Data Quality Quarantine Area

Any data received from a third party system such as a counter that is sending clearly wrong data (such as a negative count or a count that exceeds some user defined value etc) is stored in the quarantine area where the user can either delete it or allow it to be added in to the common data base. This ensures that data in the database is not polluted by poor quality data.

Unknown Object Quarantine Area

Any data received from a third party system that the UTMC database does not recognise can also be quarantined. For example imagine that a new ANPR link has been installed; if that ANPR link has not been manually added to the common database then any data for that link will then enter the quarantine area. This lets the user know that he/she is receiving data for an object that has not yet been added to the Common Database. The user can then simply select that item and add it to the database, thereafter any such data will automatically pass in to the database.

Features

- Define and set up your own data quality quarantine parameters
- Edit quarantine data before database insertion
- Temporarily reject and permanently reject quarantined data
- Full log and SQL analysis available for engineers

Benefits

- Removes poor quality data before the public views it
- Increases confidence in all outputs
- Easily to spot misconfigurations
- No need to manually add new assets to the database, these will appear in the quarantine and can be added with a mouse click

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22 August 2011 19:58:56 | welcome administrator | my_profile | logout

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with Network Monitor & Strategy Manager

View Quarantine Data

Search Data By Fieldname: ALL Data Issues RestoreAll DeleteAll

| Table Name | System Code Number | Type | Connection | Time Stamp | Delete |
|------------------|--------------------|---------------------------|-----------------------|---------------------|--------|
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:44:04 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:39:05 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:34:09 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:29:04 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:24:05 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:19:04 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:14:06 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:09:07 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 19:04:09 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:59:05 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:54:04 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:49:05 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:44:05 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:39:08 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:34:04 | X |
| fl_scoot_dynamic | DORS-N03111J | unmapped SystemCodeNumber | dar_localserver(3:20) | 22/08/2011 18:29:05 | X |

Data Quarantine page showing "All data issues."

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Quarantine Details

• Quarantine Data

Quarantine ID: dbd32f86-7e94-4915-8336-474a21bf540e
 System Code Number: DORS-N03111J
 Table Name: fl_scoot_dynamic
 Type: unmapped SystemCodeNumber
 Connection: dar_localserver(3:20)
 SQL Query: INSERT INTO fl_scoot_dynamic ([SystemCodeNumber], [LinkTravelTime], [AverageSpeed], [CurrentFlow], [CongestionPercent], [LastUpdated], [LinkStatus]) VALUES ('DORS-N03111J', '42', '0', '14', '0', '2011-08-22 20:04:04', '0')

| Column Name | Column Value | Edit |
|-------------------|---------------------|------|
| SystemCodeNumber | DORS-N03111J | Edit |
| LinkTravelTime | 42 | Edit |
| AverageSpeed | 0 | Edit |
| CurrentFlow | 14 | Edit |
| CongestionPercent | 0 | Edit |
| LastUpdated | 2011-08-22 20:04:04 | Edit |
| LinkStatus | 0 | Edit |

[Allow this data in to database](#) [Cancel](#)

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Quarantine Details

• Quarantine Data

Quarantine ID: 552a1398-5bd6-4e0e-b8a6-62551f0d2a18
 System Code Number: DORS-N03111J
 Table Name: fl_scoot_dynamic
 Type: unmapped SystemCodeNumber
 Connection: dar_localserver(5:58)
 SQL Query: INSERT INTO fl_scoot_dynamic ([SystemCodeNumber], [LinkTravelTime], [AverageSpeed], [CurrentFlow], [CongestionPercent], [LastUpdated], [LinkStatus]) VALUES ('DORS-N03111J', '13', '0', '16', '0', '2011-08-22 11:59:04', '0')

| Column Name | Column Value | Edit |
|-------------------|---------------------|---------------|
| SystemCodeNumber | DORS-N03111J | Update Cancel |
| LinkTravelTime | 13 | Edit |
| AverageSpeed | 0 | Edit |
| CurrentFlow | 16 | Edit |
| CongestionPercent | 0 | Edit |
| LastUpdated | 2011-08-22 11:59:04 | Edit |
| LinkStatus | 0 | Edit |

[Allow this data in to database](#) [Cancel](#)

The user can edit any field from the quarantined data before allowing it in to the database.

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View Quarantine Data

Search Data By Fieldname: anpr RestoreAll DeleteAll

| Table Name | System Code Number | Type | Connection | Time Stamp | Delete |
|-----------------------|--------------------|---------------------------|------------------------|---------------------|--------|
| fl_anpr_configuration | SOME-11477 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:06 | X |
| fl_anpr_configuration | SOME-10899 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:04 | X |
| fl_anpr_configuration | SOME-10486 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:04 | X |
| fl_anpr_configuration | SOME-11264 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:04 | X |
| fl_anpr_configuration | SOME-10795 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:04 | X |
| fl_anpr_configuration | SOME-10872 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:04 | X |
| fl_anpr_configuration | SOME-10461 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:02 | X |
| fl_anpr_configuration | SOME-10604 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:02 | X |
| fl_anpr_configuration | SOME-10898 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:46:01 | X |
| fl_anpr_configuration | SOME-10814 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:45:59 | X |
| fl_anpr_configuration | SOME-10488 | unmapped SystemCodeNumber | dar_localserver(21:17) | 22/08/2011 01:45:58 | X |

The user can search for all quarantined records relating to their search term (in this example "anpr") and can then "bulk" restore all to the database or delete all.

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