Access to Enterprise Data Warehouse Data by Applications

**Purpose:** This statement establishes guidelines for managing access to Enterprise Data Warehouse (EDW) data by applications.

**Applies To:** Applications that consume EDW data.

**Issued By:** Data Management Committee

**Administered By:** Data custodians, application teams, UW-IT.

**Problem Statement**

Data security standards and access privileges are implemented for access to EDW data by people. This guideline defines the technical implementation for EDW access by applications, adhering to the same UW data security standards.

**Recommendations**

1. Applications access EDW data through the security metadata layer, or “DAC security views”.

2. After obtaining the UW NetID service account, request access to the EDW, as described at: [http://itconnect.uw.edu/work/data/use-data/get-access/request-access/end-user-system-or-application-request-form/](http://itconnect.uw.edu/work/data/use-data/get-access/request-access/end-user-system-or-application-request-form/).

3. The preferred naming standard for UW NetID service accounts is “a_[team OR system name]_edw_[access OR extract]”, example a_opb_edw_access.

4. The UW NetID service account is assigned a EDW ASTRA security role. It is the responsibility of the system owner to self-select an appropriate role and submit to dmc-support@uw.edu for custodian approval. DMC support personnel will administer account in ASTRA upon approval. EDW ASTRA security roles can be reviewed at [http://www.washington.edu/uwtech/im/dmc/access.html](http://www.washington.edu/uwtech/im/dmc/access.html).

5. Applications must use an SSL encrypted connection.

**Additional Considerations**

1. Because DAC security views are not access method specific, a variety of access methods are acceptable. These include but are not limited to SQL Server Integration Services (SSIS), OLEDB connections, and ODBC connections. (Note: Business Intelligence tools, such as Microsoft Reporting Services, are discouraged for high-volume extracts.)
2. The Data Management Committee (DMC) discourages data extracts into local, redundant data repositories ([http://www.washington.edu/uwtech/im/dmc/docs/DMCGuidelineDocument1008RedundantData.pdf](http://www.washington.edu/uwtech/im/dmc/docs/DMCGuidelineDocument1008RedundantData.pdf)). Therefore, application teams with the intent of extracting data from EDW for local storage must request a DMC exemption by submitting a written request to dmc-support@uw.edu.

3. For EDW data extracts, the application team is responsible for scheduling and implementing the extract with the Decision Support Services team by contacting dss-support@uw.edu. EDW data extracts must be “pulls”; pushing data is not supported by Decision Support Services.

4. Service levels will be reviewed with Decision Support Services upon implementation.

**Exceptions**

Exemptions from this policy will be reviewed by the Data Management Committee as they occur.
Process Flow Diagram

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"I want automated access to data."

- Request a DMC exemption
  - Yes
    - Is the access an extract for local storage?
      - No
        - Requestor asks help@uw.edu for an "Application UW NetID"
      - Yes
        - Does DMC grant exemption?
          - No
            - Requestor asks dmc-support@uw.edu to assign the netid to an EDW ASTRA security role.
          - Yes
            - DMC support personnel administer the account in ASTRA

- Requestor review DSS Automated Data Access Guidelines:
  1) Query Performance Guidelines
  2) Timing/Scheduling of extracts
  3) Reminder that connections may be terminated due to EDW processing at any time

- Requestor contacts dss-support@uw.edu to coordinate extract scheduling or work out any additional details.

Concurrence

The undersigned concur with the proposed change in data access described in this Data Management Guideline.

Data Custodian Signature: B. J. Yock
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