



## Extensible Variance M A N A G E R

### Essential Features:

- Bolt-on application
- Database independent (JDBC)
- Flexible and Extensible functionality
- Custom-created modules

### Core Modules:

- Data loader
- Variance Checker
- EVM Web Server
- Variance Exporter

### System Software Requirements:

- MS Windows Server, Unix or Linux O/S
- Java J2EE servlet container
- SQL database with JDBC driver
- Separate schemas for product/load data

### About Cogent

Cogent Technology Group is a provider of customizable, web-enabled, B2B software. Cogent offers specialty software solutions that focus on transaction management and data integrity to various industries.

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## Extensible Variance Manager (EVM)

Cogent's **Extensible Variance Manager (EVM)** tool is generally used to compare any two similar sets of dynamic, database-bound data and to report on the differences.

### EVM Data Loader

The Data Loader optionally takes control data sourced from file-system files and populates the EVM database for the purpose of comparing with target data which may already reside in its own database. This function can also be provided by using Cogent's *Data Flow Manager* product to load the control data.

### EVM Variance Checker

This module performs the actual validation processing that compares the control and target datasets and records the variances. It can be pre-configured to ignore variances of particular types. The Variance Checker recognizes when open variances have been corrected and will mark worked variances as complete on a subsequent run against the same data.

### EVM Web Server

The Web Server allows the remote user to view the details of the variances recorded by **EVM** during its scheduled runs. The user can selectively review variances and drill down on them to look at the underlying data. Any irrelevant variances can be marked as ignorable so that they would not be raised again on subsequent runs of this process.

### Variance Exporter

This module packages and exports the generated variance information for use outside of the product.

## ERCOT SCR727 Data Validation

The daily downloadable data made available to Texas electricity marketers by the Electricity Reliability Council of Texas (ERCOT) can be used as control data to validate the billing and service history data of a marketer's retail accounts.

**EVM's** loader will take the various ERCOT data extract files and populate them into the appropriate database tables according to ERCOT's published schema. The product will then validate the contents of the billing system against this control data and generate variances according to ERCOT's published guidelines.

**EVM** can be used to export variances, in ERCOT's MarkeTrak format, to be sent to the agency for data corrections to be made.

For more information, visit the [EVM Product](#) page.