



1.03 Release Notes

Rev 1.0



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MSC-1005-01 (Rev. 1.0) Miva Script Compiler v.1.03

Miva Script Compiler 1.03

Release Notes

Miva Script Compiler 1.03, released November 2002, includes the following:

New Features

1. Miva Script Tags `<MvCOMMIT>` and `<MvROLLBACK>` have been added for additional external database functionality; currently supported in the distributed Oracle library. These tags allow the user to control transactions in external databases by allowing a manual commit rather than an automatic commit to databases. In addition, a new attribute, `FLAGS`, has been added to `<MvOPEN>`. If `FLAGS="manualcommit"` is set, these new tags, `<MvCOMMIT>` and `<MvROLLBACK>` can be used to control transactions to a database. If this flag is used, database records are marked for change until `<MvCOMMIT>` is found. At that point, it does a commit to the database. If `<MvROLLBACK>` is found, it removes all marks and does not commit to the database.
2. A new system variable, `miva_defaultdatabase`, can set the default database type, so a type is not needed each time an `MvOPEN` or `MvCREATE` is called. However, the type specified in `MvOPEN` or `MvCREATE` will override the `miva_defaultdatabase`.
3. A new built-in function, `miva_setdefaultdatabase`, has been implemented. This function takes a string as a parameter that specifies the type of database to which the `miva_defaultdatabase` system variable is set.
4. A new flag has been added to `MvFIND` called "range". If this flag is set and no record is found that meets the search criteria, EOF is set and the current record is positioned at the first record that is greater than the search value.

Fixed Bugs

- Multiple problems with `MvDO` and the `NAME` attribute have been fixed. This includes aggregates and expressions not getting compiled properly.
- The misuse of quotes within expressions no longer causes internal errors.
- `MvIMPORT` with a blank filter now compiles as expected.
- The compiler is no longer removing the closing greater than sign on Non-Miva tags.
- `<MIVA STANDARDOUTPUTLEVEL=" ">` now generates the proper code for the Virtual Machine.
- `<MvREVEALSTRUCTURE>` with the attribute `VARIABLE` now generates the proper code for the Virtual Machine.