



# 1.04 Release Notes

Rev 1.0



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MSC-1006-01 (Rev. 1.0) Miva Script Compiler v.1.04

# Miva Script Compiler 1.04

## Release Notes

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Miva Script Compiler 1.04, 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.