

How to Set Up a Hybrid Environment for running Addon Version 6 Programs within the Barista Application Framework

Given the flexibility of BBJ and the Barista Application Framework®, it is possible to create a hybrid environment in which you run the Barista version of certain AddonSoftware® programs, and reach back to Version 6 for others. For example, you may want to run the Barista version of Addon Accounting and Distribution, and use Version 6 for Manufacturing or Payroll.

With a hybrid solution, you will access selected Version 6 CUI programs from within Barista, and use triggers to route file I/O to either the Barista or Version 6 database. To continue the example above, a hybrid Manufacturing process would read from and write to Barista Accounting and/or Distribution files, but read/write Version 6 Manufacturing files.

Note that this sort of hybrid solution is not the same as running parallel. Accounting and Distribution data written to the Barista database is not duplicated in the Version 6 database. Therefore we recommend that once a hybrid solution is put in place, you run everything through the Barista MDI "gateway," rather than launching Version 6 independently.

Follow the steps below to enable running Version 6 CUI tasks from within Barista. With these instructions you can run the Version 6 programs, however all file I/O still accesses the Version 6 data files. Read more about triggers in the [Using Triggers for Hybrid Installations](#) document.

1. Convert the Version 6 programs to run on BBJ, if necessary (see <http://documentation.basis.com/BASISHelp/WebHelp/index.htm> for information on the `_keyword` utility).
2. Modify the SYS.AA (ADD+ON Menu Processing) using your Version 6 program editor.
 - a. Add the following: `0005 IF STBL("+LEGACY",ERR=0010)="Y" THEN RELEASE`. This will force an immediate exit when running from Barista in hybrid mode, i.e., leaving the Barista menu in control rather than returning to the Version 6 menu. The `adx_v6leadin.aon` program (described below) sets the `+LEGACY` global, so the release only happens if running a Version 6 task from within Barista. The release is conditional so you can still run Version 6 independently during testing. Once your hybrid environment is ready to go live, you can change it to `0005 RELEASE` (you may want to create a backup copy of SYS.AA prior to doing this in case you need to revert).
3. Modify the SYC.SA (Windowed Lightbar Display/Selection Routine) file using your Version 6 program editor.
 - a. Add the following: `0520 PRINT @(0,0), 'SF', 'DEFAULT', .` This modification ensures that the dim/bright settings in windowed displays will be correct.
4. Add any desired Version 6 programs to the Barista menu (Barista Administration => Maintenance => Menus). Note that Barista always runs the same program - `adx_v6leadin.aon` -- which in turn runs the Version 6 task. The `adx_v6leadin.aon` program sets conditions to run the program standalone, without going through the Version 6 menu program, and also stores selected Barista Addon environment settings in the global namespace for use in triggers.
 - a. Use the Option Type "Application Program."

- b. Define the Target in this format: `adx_v6leadin.aon --`
`<progname>` where `<progname>` is the Version 6 program (e.g. ARM.MA for Customer Maintenance). Note: there are **two** dashes between `adx_v6leadin.aon` and the program name.
 - c. Select the remaining parameters as you would normally.
5. Add each Version 6 program and data directory found in the prefix line of the Version 6 config.aon file as a separate prefix line in the addon.syn file (for example, `PREFIX=<legacy_path>/AON/ADATA/`). Maintain the order in which the prefixes occurred in Version 6, and place them in front of the Barista prefixes.
6. Add a line to the addon.syn file using the following syntax:
 - a. `STBL=SET +V6DATA=<version_6_data_dir>`, where `<version_6_data_dir>` is the directory where your version 6 data files are found.
7. Set up each Barista user with their own unique alias line defining different terminal IDs. Add each terminal ID to the addon.syn file, use the following syntax:
 - a. `DEVICE=alias T<n> syswindow "" invisible, USERID=<barista_user_id>`,
`LEGACYID=<legacy_user_id>`, where `<n>` is the terminal ID number,
`<barista_user_id>` is the login name used to log in to Barista, and
`<legacy_user_id>` is the three-character login ID used to log in to the old Version 6 system. Note that the `<legacy_user_id>` login ID is case sensitive, and must match the User ID in User Maintenance. For example, you can log into v6 addon using `+on`, but the actual User ID is `+ON` and that is what would have to be used for the `<legacy_user_id>` login ID.
8. Add programs from the SYM menu that control printers and users to the Barista menu (see step 4). In addition, add alias lines for the printers to the addon.syn file using `DEVICE=<alias_syntax>`, where `<alias_syntax>` is the alias line from the config.aon file.
9. Run the Barista Auto-Sync process to push the modifications from addon.syn into the barista.cfg file.