

## APT Deliveries

There are five forms of APT deliveries:

### Development Deliveries

- Daily from the develop branch
- Daily from the delivery branch

### User Deliveries

- Go
- Hot
- Quick Fix

### Development Deliveries

Development deliveries are always available for download, but generally are not installed on the Solaris clusters except for designated alpha and beta test versions . If an alpha or beta test version of APT is installed on the Solaris clusters, it may invoked with the `test-apt` command.

### Daily Develop Branch Deliveries

The code base in the develop branch is inherently unstable. Partial implementations, prototype code and other risky items are typically committed to the develop branch.

The daily develop branch deliveries are useful for testing individual OPRs and evaluating prototype solutions.

Alpha test releases are made from daily develop branch deliveries.

### Daily Delivery Branch Deliveries

The code base in a delivery branch should be stable. Typically, only truly critical fixes should be committed.

The daily delivery branch deliveries are useful for performing integrated tests on APT as a whole and testing individual OPRs in anticipation of a user release.

Beta test and candidate releases are made from daily delivery branch deliveries.

### User Deliveries

User deliveries are always available for download and are installed on the Solaris clusters.

### GO Deliveries

GO deliveries are made from a delivery branch created specifically for the delivery. The GO deliveries are intended for use by GOs as well as STScI personnel.

GO deliveries should be tested as extensively as possible to avoid GOs having to update APT.

Go deliveries are typically done for the Phase I and Phase II proposal preparation periods, usually December and April. Other GO deliveries may be made if required to release new functionality between the start of the Phase I and Phase II periods.

GO deliveries are available on the Solaris clusters with the `apt` command.

### Hot Deliveries

Hot deliveries are made from a delivery branch created specifically for the delivery. The hot deliveries are intended for use only by STScI personnel. Hot deliveries enable the APT developers to provide quicker turn around for bug fixes and new features for in-house personnel than for GOs.

Testing for hot deliveries need not be as extensive as for GO deliveries.

Hot deliveries are typically done every other month besides the planned GO deliveries (February, June, August, October). Other hot deliveries may be made as required.

Hot deliveries are available on the Solaris clusters with the `hot-apt` command.

### Quick Fix Deliveries

Quick fix deliveries are made to fix critical bugs in a previous GO or hot delivery. Quick fix deliveries are done from the delivery branch of the associated GO or hot delivery.