



## Quick Start Guide

### Where can I get Cypress 3?

- Source Code: <https://github.com/projectcypress/cypress>
- Cypress 3 Demo Server: <https://cypressdemo.healthit.gov>
- Virtual Machine (OVF):  
[https://s3.amazonaws.com/cypress\\_public/Cypress\\_v3.0.0alpha6\\_Public\\_VM.tgz](https://s3.amazonaws.com/cypress_public/Cypress_v3.0.0alpha6_Public_VM.tgz)
- Amazon Machine Image: [http://projectcypress.org/documents/Cypress\\_AMI\\_Instructions.pdf](http://projectcypress.org/documents/Cypress_AMI_Instructions.pdf)

### Where can I get Sample Files?

Generic Quality Reporting Data Architecture (QRDA) files can be found at [https://github.com/chb/sample\\_qrdas](https://github.com/chb/sample_qrdas). Cypress 3 can generate sample files using the “Get Known Good Result” button on the product test page. This button generates a result that will pass the Cypress test for which it was generated. This result will aid in debugging and is not available during certification.

### C4 Filter Certification

The 2015 Edition Health IT Certification Rule provides an additional, optional criterion that tests an electronic health record system’s ability to query for eCQM results based on specified patient and provider criteria. The rule requires that the system filters on both single- and multi-factor criteria based on demographics, problem list, or provider information.

In Cypress, the required filter criteria are separated into several testing tasks. All systems will be required to complete multi-factor demographics filters. The system randomly generates these criteria at test time and will include two criteria from Race, Ethnicity, Gender, Age, and Payer. Examples of these tasks include “All Men using Medicaid” or “Non-Hispanic African-Americans”. The Problem List filter will supply a value set representing a problem list (e.g., Diabetes and Allergy to Eggs). The system must then return all patients that have an entry with a SNOMED code from that value set. Finally, there are two tasks that test a vendor’s ability to filter on the provider’s information. The system will be expected to filter on a provider’s National Provider Identity (NPI) and Taxpayer Identification Number (TIN), and also on a combination of a provider’s NPI, TIN, and Practice Site Address.

## Cypress API

Cypress 3 adds a new certification Application Program Interface (API) to perform certification testing for all test types except the C1 Manual Entry test. Documentation for the API is available in the Cypress source code under the “api” folder. This includes both an HTML documentation page and the JSON schemas defining the resources available for certification.

## Release Schedule

Cypress 3 is providing in-progress builds as new features are developed and bugs are fixed.

RELEASE	DESCRIPTION	EXPECTED
Beta 1 Release	Feature complete with beta 2016 Measure Bundle and 2016 Validation Utility. Bugs may cause unstable behavior during use.	Mid-June 2016
Release Candidate	Feature complete. A few remaining bugs may cause minor issues.	Early July 2016
Final Release	Available for certification using final 2015 or 2016 measure bundles.	July 28, 2016
Patch Release (tentative)	Adds support for informational warnings about 2017 CMS IG rules. Using this version is optional as it will not affect certification results.	Late 2016 (tentative depending on length of 2017 CMS IG delay)

## How can I participate in the development of Cypress?

We invite the community to download the pre-release version(s) of Cypress and give us feedback on bugs and new features:

- Issue Tracker: <https://github.com/projectcypress/cypress/issues> (We are using the ONC JIRA for production versions of Cypress only. Issue tracking for Cypress 3 will use the ONC JIRA site after July 28, 2016.)
- Talk List: [project-cypress-talk@googlegroups.com](mailto:project-cypress-talk@googlegroups.com) (You must be a member to post.)
- Tech Talks: Speak directly to the Cypress team every other Tuesday. Please see <https://projectcypress.org> to find the next scheduled Tech Talk and register.