

# DeepSpeech v1.0

Goal: refine what we want / need for this

- English and Mandarin models
- New branding
- Stabilized API (do we need to break anything else?)
  - We have a few breaking changes in 0.7 but mostly bringing bindings on par with the C API
  - [External scorer API changes](#)
- Packaging for Debian/Raspbian?
  - E.g. `apt-get install deepspeech-en-us`
- Dissemination / training material / blog post(s)?
- Coordinated press releases + interviews + ..... [Video of the WebSpeech API working in Firefox :)]
- Examples + documentation of examples
  - Examples have been moved to a separate location where they can be improved/extended during the lifetime of a release
  - <https://github.com/mozilla/DeepSpeech-examples>
  - No or little documentation for the examples, needs to be written. This is at least two weeks of full time effort just cleaning things up and writing docs if we're going to cover all languages/examples.
- Downloader for models? With predefined location where clients look for it. (e.g. `~/.local/something`)
  - Then could do `deepspeech --model english --audio blah`
  - Use packaging format Alex created for Java bindings
  - Replaces Git LFS (language model)
- Models discoverability / contributability ?
  - Integrate with GitHub namespaces ala Homebrew so people can just do `deepspeech download mozilla/DeepSpeech/en-US/v0.6.0` or something like that, and similarly for third party models. Then we get info directly from repositories.
- Proper language model
  - Improve size / quality ratio
    - NN-based ? (One interesting trend is much smaller Bert models[[1](#),[2](#),[3](#),[4](#),[5](#)...])
  - If not, proper/easier packaging for LM / trie ?
- TFLite as a first-class citizen ?
  - Keeping TensorFlow runtime ?