# Revamping Apache Airflow Website

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**Plan approvers**: Apache Airflow Community

Revamping Apache Airflow Website

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- Section 1
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Other must-have pages:

Proposed organization of must-have pages in Top bar items:

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## Home Page

Apache Airflow's Home Page is the primary entry point to the site that contains project description, news, blog entries, invitation to join the project. The homepage is divided into three sections that users can navigate by scrolling it down. Each section goes into further detail about Apache Airflow's features, usability, and contributions. The structure is presented below. (For a more detailed description of the website structure see the appendix).

### *Section 1*

- **Logo and Title**
- **Short description**
- Link to the **Quick start** or (Learn Apache Airflow basics) which will be crosslinked with **Documentation**
- **Downloads**
- **Announcements** (can be crosslinked with Community)

### *Section 2*

- **Apache Airflow principles  and their descriptions**

Section 3

- **Use cases**
- **Testimonials**?
- **Powered by Apache Airflow?**

Footer

- **Communication channels, site map**

## Other must-have pages:

- License Page: mention the Apache License 2.0 and link to the git license file
- Documentation: this page describes the project documentation, including guides, tutorials, and links to external documentation.
- Mailing Lists: page will include user@ and dev@ mailing lists that the community might be interested in, and this page contains mailto: links that allow easy subscription (and unsubscription) to any of them. Private@ mailing list can be listed as well, but the subscription won't be available.
- FAQ: this page will include frequently asked questions and answers to them.
- Road Map: this page will have a description of the project's vision of future community or development activities.
- Source Code: page will have links to the browsable source repository and git commands to check out the sources.

- Coding Standards: page will include a description of the coding standards for submitted code by the community, along with a description of how strict the project intends to be.
- Issue Tracking: page will have links to the JIRA or other issue tracking tool.
- AIPs: Subpage with a list of accepted improvements.

## Proposed organization of must-have pages in Top bar items:

- **About**
  - A Brief History of Apache Airflow
  - Apache license
- **Documentation** - needs to be restructured, CSS needs to be updated (kept in Sphinx)
  - Add 'Search the Docs' capability
  - Guides, tutorials, and links to external documentation
  - FAQ
- **Community**
  - Roadmap
  - Events and meetups and slides
  - Mailing lists, slack channels, interest groups, awesome lists
  - Jira bug tracker, StackOverflow
  - Code of Conduct
  - AIPs
- **Contribute**
  - Contributor guides
  - Contributing Code of Conduct
- **Blog**
- **GitHub (external)**

## Website Generation Tools

ReadTheDocs is being used currently to generate Airflow PyDocs. The whole website can be built on RTD like PyTorch.

The website should be maintained in the git repository, and include the site generation tool as a binary file. This simplifies the process of site generation and enables changes to the site to be made by any committer.

Since the site is independent of the code, it should exist high in the git repository, e.g. parallel to the trunk of the source tree.

## Content generation

Content of the website will include both auto-generated Pydocs for Documentation page and static front-end pages for the rest of the website.

All content will be developed and added by contributors.

## Server and Hosting

Apache Airflow website will stay hosted on Apache infrastructure under https://airflow.apache.org/.

## Testing

A number of tests, and checks should be written to ensure that changes and contributions to the website are of high quality, and that its appearance will not break or be disrupted by new contributions.

- Automatic staging of changes for review
- Checking for dead links
- Possibly a spell checker

## Multilingual support

Apache Airflow must support multi languages and have different directories for each language, eg: docs/en/, docs/kr, etc

## Deliverables (from vendor)

The following is a comprehensive list of high-level deliverables:

- Create a directory in the Apache Airflow repository to house the website
- Develop a multilingual website with ReadTheDocs
    - The website must be optimized for desktop, mobile and tablet
- Create design of the website
- Create icons for product features
- Create and receive approval for an initial prototype for the website
    - This prototype can be committed into the GitHub repository
- Iterate to build an MVP
- Revamp the current Documentation
    - The right and left rail navigation menu for documentation
    - Search the Docs
    - Update the layout and CSS

- Move pages from Documentation section into their corresponding section in the new website
    - Moving to Community section: Team members, Jira, Code of Conduct, etc.
    - Moving to Contribute section: contributor's guide
    - Etc.
- Create a Blog section for the website that can receive new posts easily via Pull Request
- Build a set of tests for the website
- Build a script to host and update the website
- Automatic staging of changes for review via Travis CI
- Change the website to the new landing page, and start receiving PRs from the community
- Handover and knowledge transfer to Airflow community for updates after delivery including:
    - Documentation for content only (markdown) changes
    - Documentation for look and feel changes

# Appendix. Detailed structure

## Homepage

### Section 1

- **Title**
  - Apache Airflow
- **Short description**
  - One or two short sentence(s) to describe the product, e.g. *“Airflow is a platform to programmatically author, schedule and monitor workflows.”*

The same page MUST have links to:

- **Quick start** or (Learn Apache Airflow basics) which will be crosslinked with Documentation and include:
  - Overview
  - Tutorials
  - Examples
  - Guides
  - Videos
- **Downloads**
  - Links to download different version of the product
  - Features and improvements
- **Announcements** (can be crosslinked with Community)
  - Upcoming events
  - Meetups

### Section 2

- **Apache Airflow features**
  - Include icon and description

### Section 3

- **Use cases**
  - Companies that use Apache Airflow
  - Testimonials

## Top bar items

- **About**
- **Documentation**, currently https://airflow.apache.org/ website.
  - The documentation for Apache Airflow should be restructured with enhanced UX.
  - The Documentation must follow the principles outlined here
  - Docs search capability
  - Read time feature
  - Last update feature

- **Community**
    - Roadmap
    - Code of conduct
        - Airflow contributor Code of Conduct
    - Meetup schedules/events (cross-linked with homepage)
    - Mailing lists
    - Other communication channels
        - Stack Overflow
        - Twitter
        - GitHub
        - Slack
- **Blog**
    - The blog will be edited via source control
    - Content from the Apache Airflow team
    - Articles from the community

- **Contribute** (can be cross-linked to Documentation or Community).
  Cover:
    - Comprehensive contributor guides
    - Ways to contribute

  Include:
    - Start contributing
        - Repositories
        - Prerequisites/Contributor checklist
- **Downloads / Releases (**cross-linked with Homepage download)
    - New version of the product
    - Features and improvements
        - Contributor recognition?

- **Site search**
    - User is able to find content

## Footer

- Communication channels
- Sitemap