Tizen.org Web Infrastructure

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TIZEN™
DEVELOPER CONFERENCE
2013
SAN FRANCISCO

- Why do we need it?
- Map of Infrastructure
- Current Features
- Roadmap of Features
- Who’s Involved

Why do we need it?

Diverse audience!

Primary

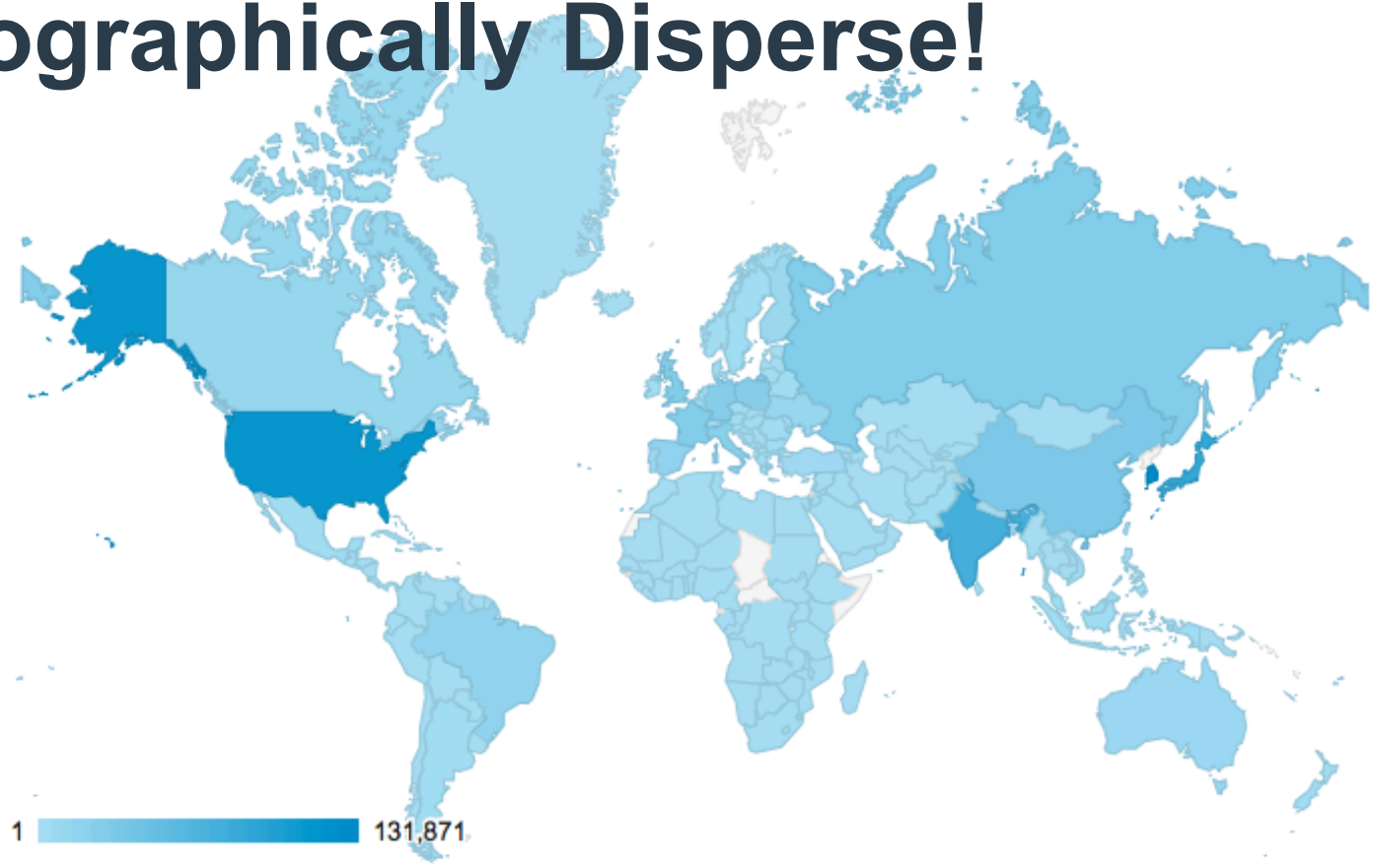
- Application Developers: write applications to run on top of Tizen
- Platform Developers: kernel/distribution developers, release engineers, quality assurance, etc.
- Vendors: companies who create products based on Tizen

Secondary

- Users: people who run Tizen on their device and provide feedback
- Other Users: promotion, press

Growing number of developers!

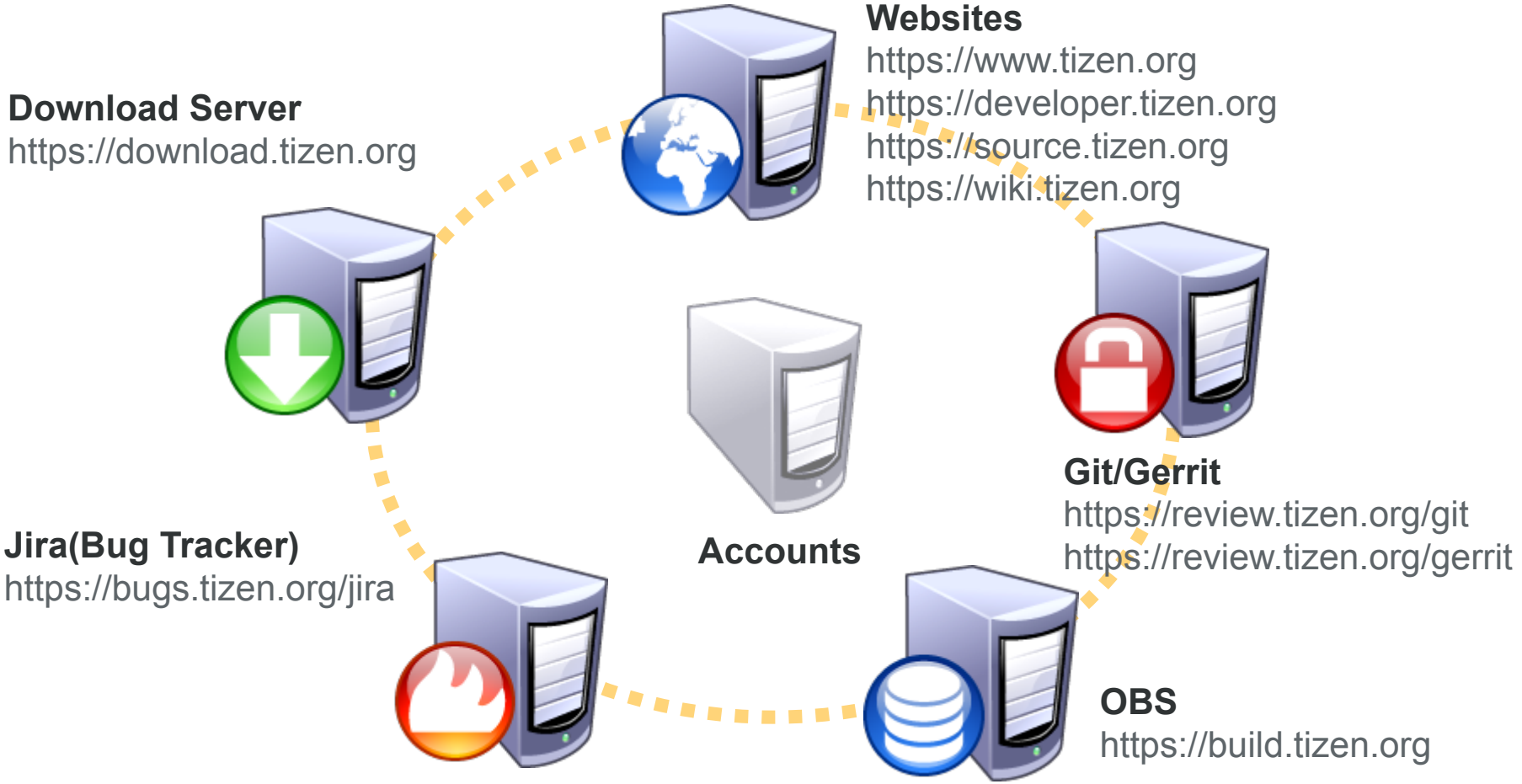
Geographically Disperse!



First time to Tizen

First time to HTML5

Map of Tizen Infrastructure


Websites
https://www.tizen.org
https://developer.tizen.org
https://source.tizen.org
https://wiki.tizen.org
Download Server
https://download.tizen.org
Git/Gerrit
https://review.tizen.org/git
https://review.tizen.org/gerrit
Accounts
Jira(Bug Tracker)
https://bugs.tizen.org/jira
OBS
https://build.tizen.org

Websites (Drupal CMS)

Main – https://www.tizen.org

- Main project website
- Overview information across the project
- Audiences: ALL, general interest, press, bloggers

Developers – https://developer.tizen.org

- Application Developer website
- Information required to develop applications for Tizen
- Audience: application developers

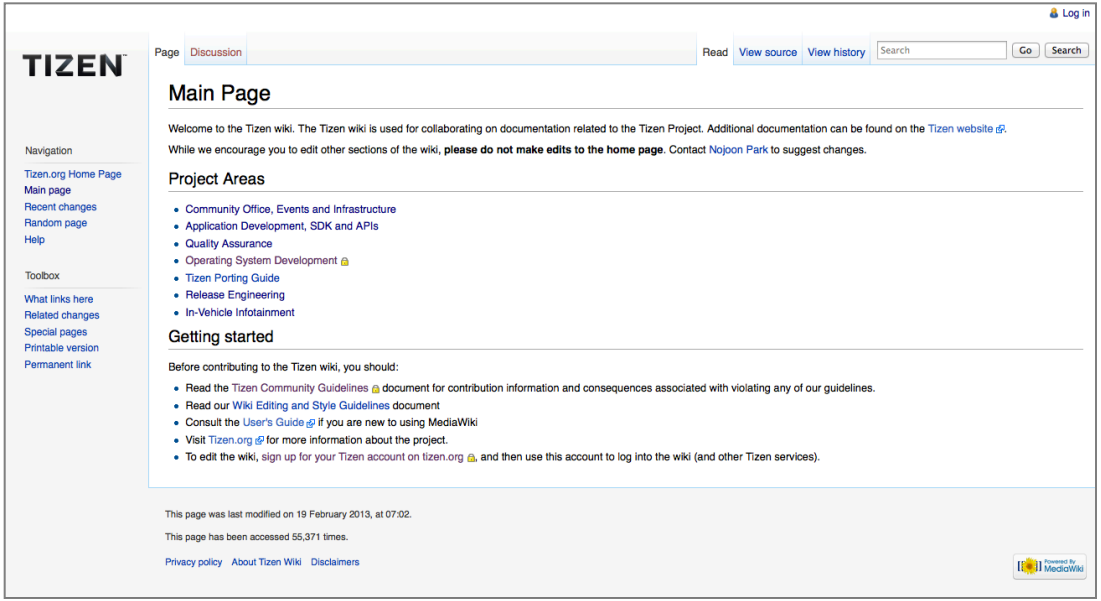
Source – https://source.tizen.org

- Platform Developer website
- Information about getting source code and building from source
- Audiences: platform developers, vendors building products on Tizen

Wiki (MediaWiki)

https://wiki.tizen.org

- Community driven



Bug Tracker (JIRA)

- http://bugs.tizen.org
- **Report bugs and request new features**
- **Current JIRA Project Categories**
  - Tizen Mobile: Core, Webkit, Kernel, Framework, Samples…
  - Tizen IVI: Generic, Wayland, Webkit, Connectivity…
  - Tizen Common
  - Tizen SDK: IDE, Emulator, Documentation, Installer, Web Simulator
  - Development Tools: GBS, MIC
  - Tizen Infrastructure: Websites, Jira, Mailing lists, Wiki
  - Tizen Policies: Community Process, Trademark and Copyright
  - Tizen Web API

Git and Gerrit

- **https://review.tizen.org/git/**
  - Tizen Project uses *git* for managing source code
  - SSH Key registration required for *git clone/checkout*

- **https://review.tizen.org/gerrit**
  - Developer can submit patches to Gerrit review system
  - Source Code reviewers can be found at https://source.tizen.org/documentation/tizen-source-code-reviewers

OBS (Open Build Service)

- https://build.tizen.org
- Open source distribution development platform for Linux distributions
- Used by openSUSE, Tizen and other distributions
- Access only available for Release Engineering Team
- Community developers should use *Git Build System (GBS)*

Download Server

- http://download.tizen.org
  - Download latest packages, official releases

- http://cdn.download.tizen.org
  - Content Distribution Network through AWS
  - Closer proximity to downloads
  - Bandwidth optimization

Mailing Lists

- https://lists.tizen.org - subscription, archives
- general@lists.tizen.org - for general discussion
- application-dev@lists.tizen.org - application development
- product-dev@lists.tizen.org - platform development
- ivi@lists.tizen.org - In-Vehicle Infotainment (IVI)
- announce@lists.tizen.org - announcements about Tizen project where only admins can post to list

- REMEMBER **everything you post to the mailing lists is** PUBLIC, **will live on the internet** FOREVER **and** CANNOT BE DELETED, **so think carefully before posting.**

IRC

- **Primary Channel**
  - #tizen at irc.freenode.net
- **#tizen IRC Logs**

  https://www.tizen.org/irclogs

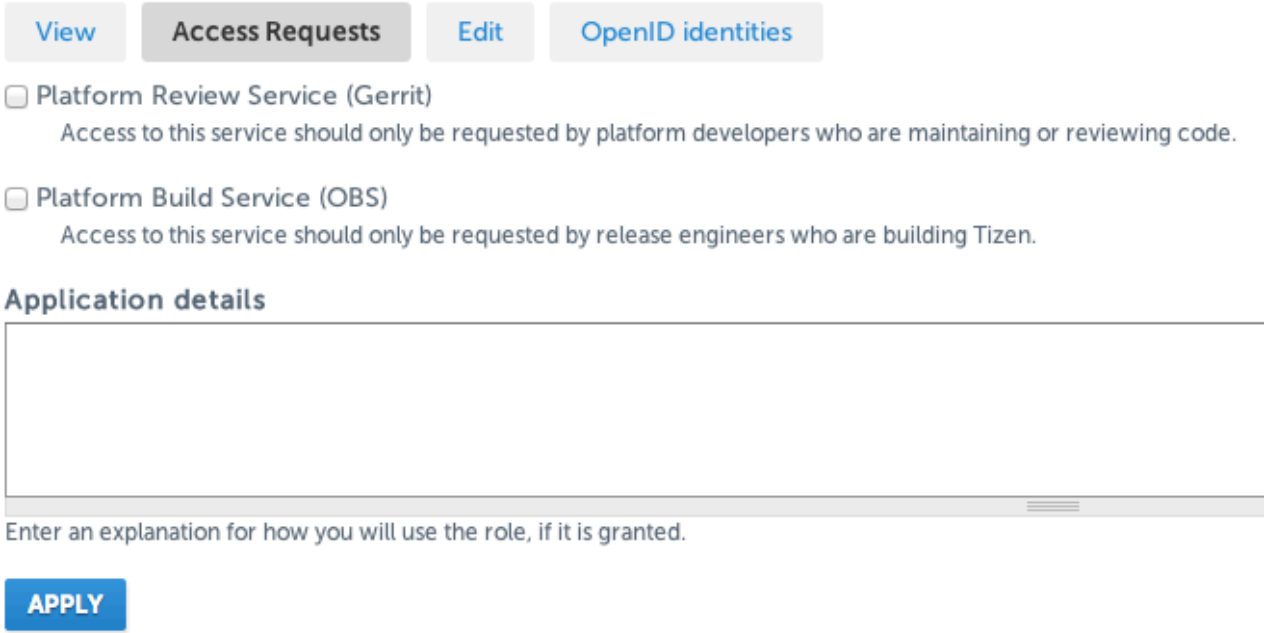
raster	the gpl/lgpl/bsd/mit-x11/apl's etc. are well known and dont have any pitfalls u wont already know	[00:09]
ron_frown	yeah	[00:10]
ron_frown	not worried about that stuff	[00:10]
ron_frown	well x11 makes me shudder, but not because of its licensing	[00:10]
raster	flora wikipedia	[00:10]
ron_frown	will do	[00:10]
raster	x11 isnt bad :)	[00:11]
ron_frown	meh	[00:11]
raster	its that big furry cuddly grizzly bear.	[00:11]
raster	big furry and cuddly	[00:11]
ron_frown	its just put a bad taste in my mouth since early slack dasy	[00:11]
ron_frown	days	[00:11]
raster	until it decides it's hungry	[00:11]
raster	:)	[00:11]
raster	just feed it fish and honey regularly and u're all good :)	[00:12]
raster	and x these days is a very different beast from the early days of slack/xf86/linux	[00:12]
ron_frown	maybe so... but not so mcuh like wayland etc	[00:13]
*** Thanatermesis has quit IRC		[00:13]
raster	wayland is a even more different beast	[00:13]
raster	its a smaller beast	[00:13]
ron_frown	yep	[00:13]
raster	a bit more like your friendly neighborhood hyena.	[00:14]
raster	all nice and puppy-like	[00:15]
raster	until it gets hungry	[00:15]
Sachiel	then it laughs at you	[00:15]
raster	yeah	[00:15]
raster	as it tears your arms off	[00:15]

Website Features

www.tizen.org

- Account management across all tizen.org services
  - All account updates should happen here
  - LDAP backend
  - Can control access to services easily
- About
  - What is Tizen
  - Tizen Brand Guidelines
- Community
  - Contribution Guidelines
- Blogs
  - project announcements
- Events
  - Tizen Developer Conference
  - Other conferences where Tizen may have a presence

www.tizen.org: access request



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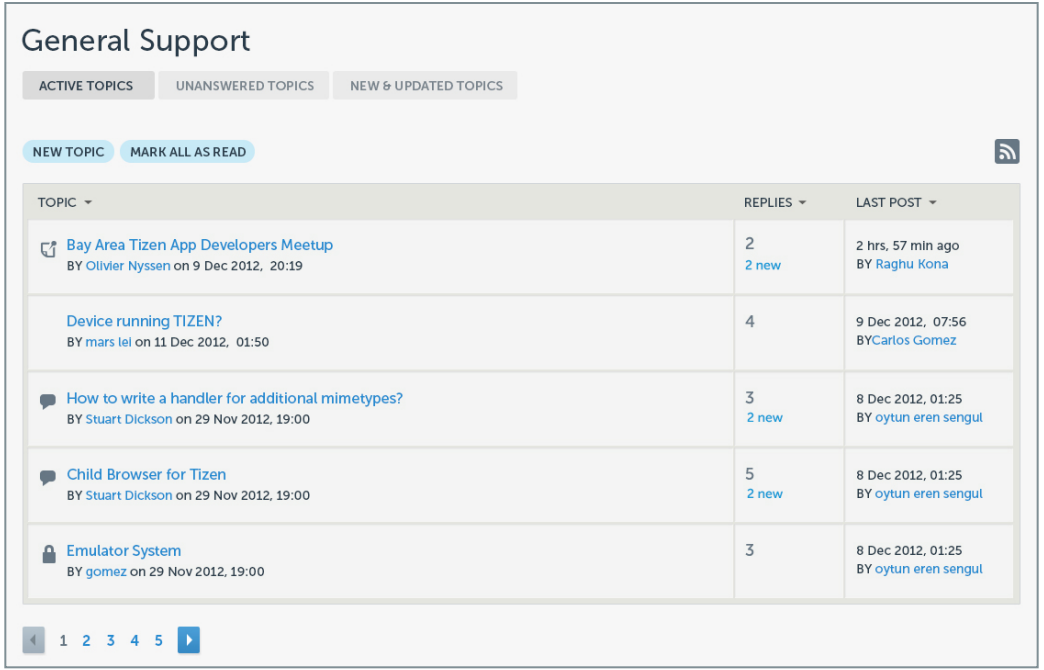
developer.tizen.org

- **SDK Downloads**
- **SDK Release Notes**
- **Documentation (creating apps)**
- **Forums**
- **API References**
- **Contests**
- **Development Unit Applications**
- **Blogs (application developer focused)**

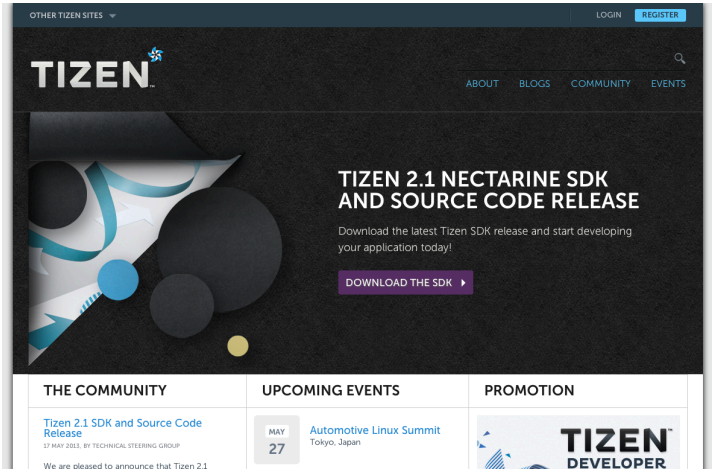
developer.tizen.org: forums

- https://developer.tizen.org/forums
- Categories
  - General Support
  - Web App Development
  - Native App Development
  - SDK & IDE

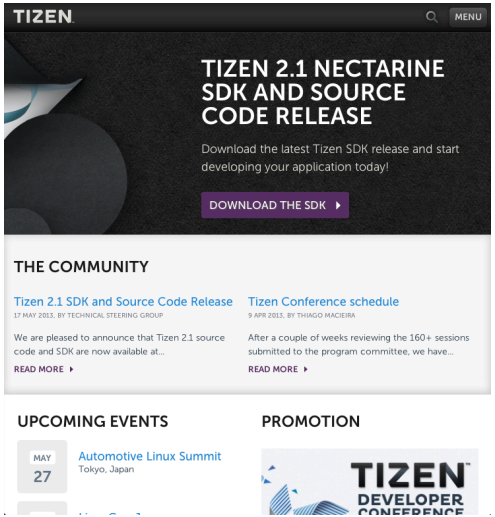


Responsive Design

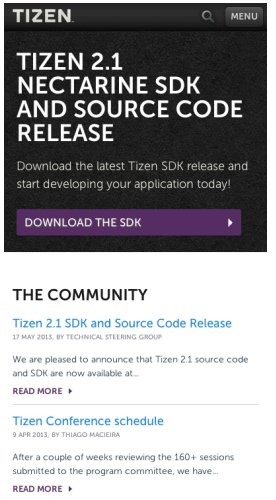
Desktop



Tablet



Mobile



Responsive Design Challenges

- **3 separate home pages**
- **Mobile menu with multiple levels of navigation**
- **Content within pages**
  - Images
  - Tables
  - Etc

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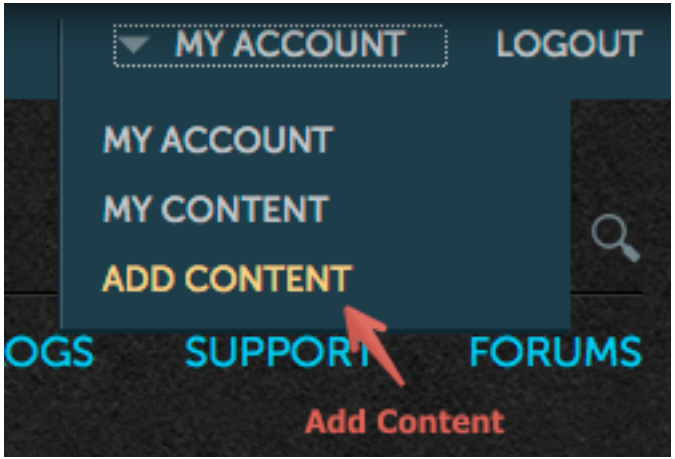
Editorial Workflow

- https://developer.tizen.org/tizen/editorial-workflow
- Allows content to follow an editorial process
- Assignments based
- More authors of content
- New drafts of published content



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Editorial Workflow

- Author
  - Create content or have it assigned to them
- Reviewer(s)
  - Technical review and editing
- Editor
  - Language and grammar editing
- Publisher
  - Final review and publishing

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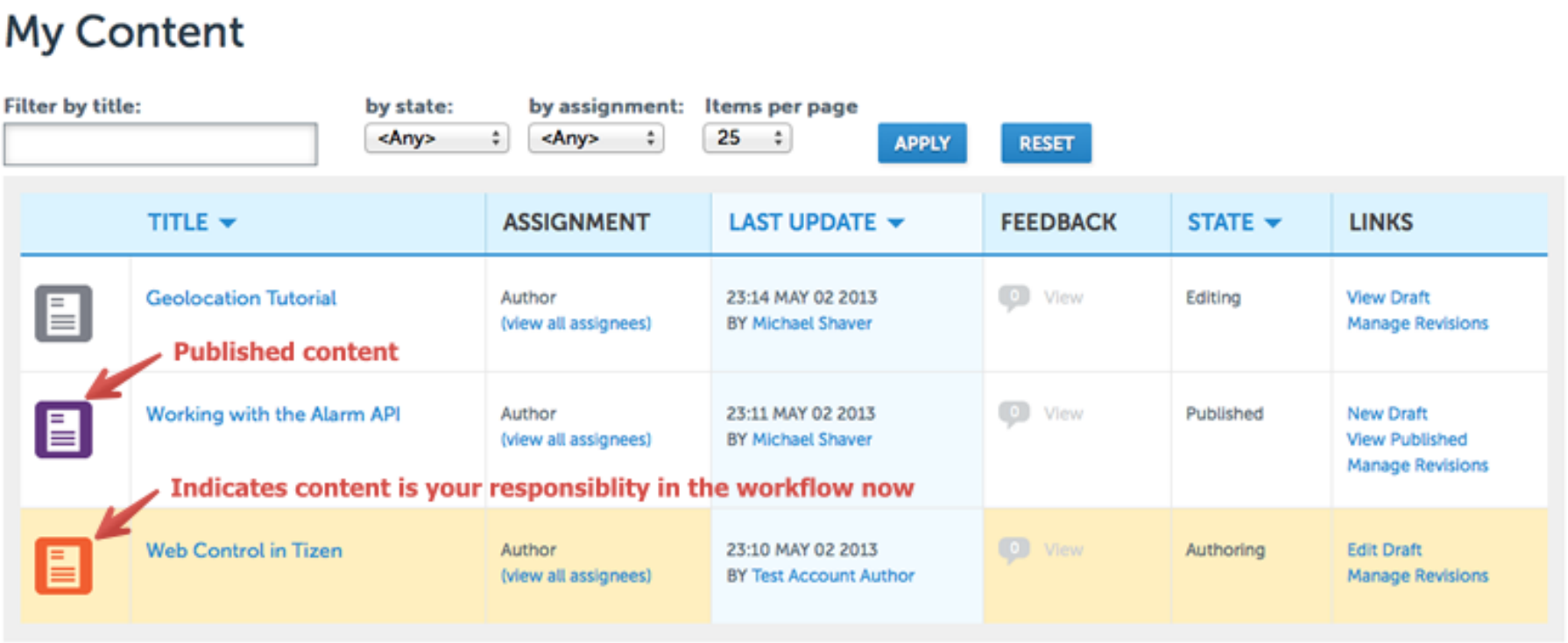
Editorial Workflow: My Content



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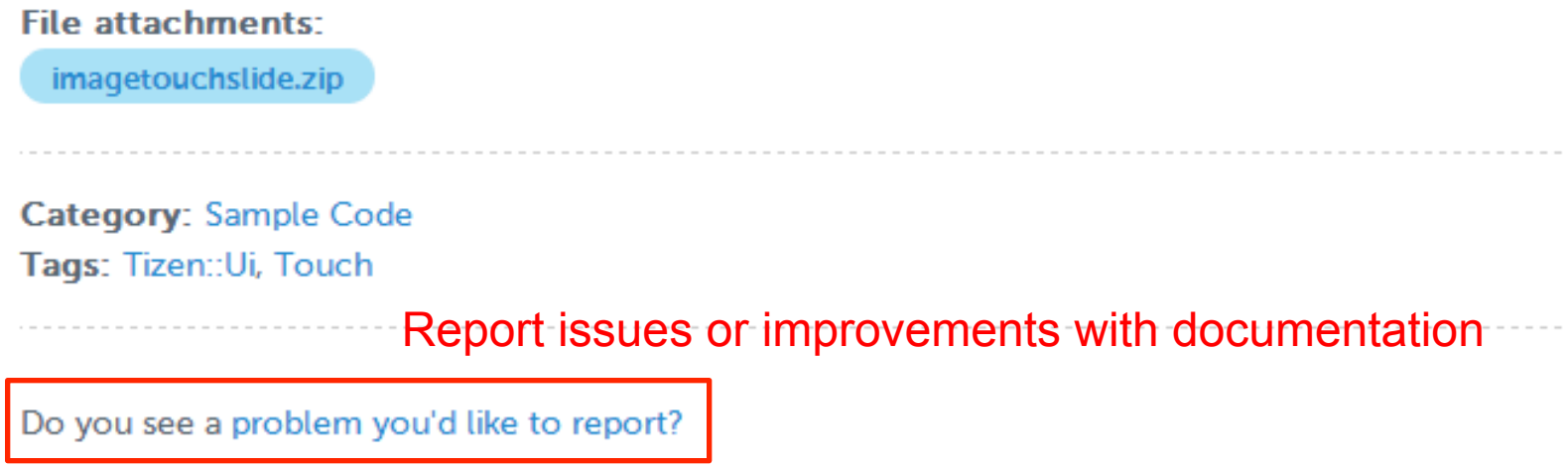
Documentation Feedback

- **Provide feedback on documentation for author**



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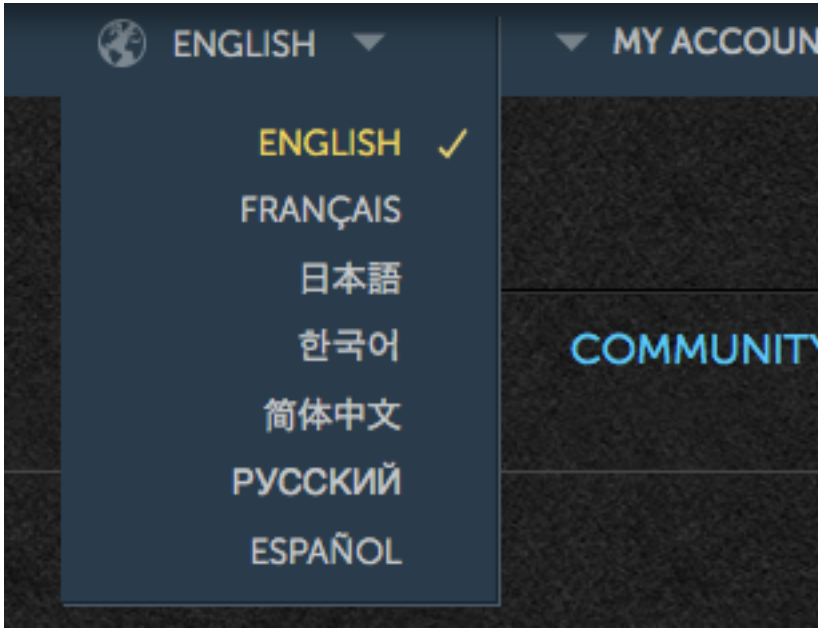
Content Styles

- https://developer.tizen.org/tizen/styles
- **Used to help with layout and design of documentation**
- **General web styles that can be used when authoring content**
  - Headers
  - Bullets
  - Code
  - Images
  - Notes
  - Links
  - Buttons
  - Etc

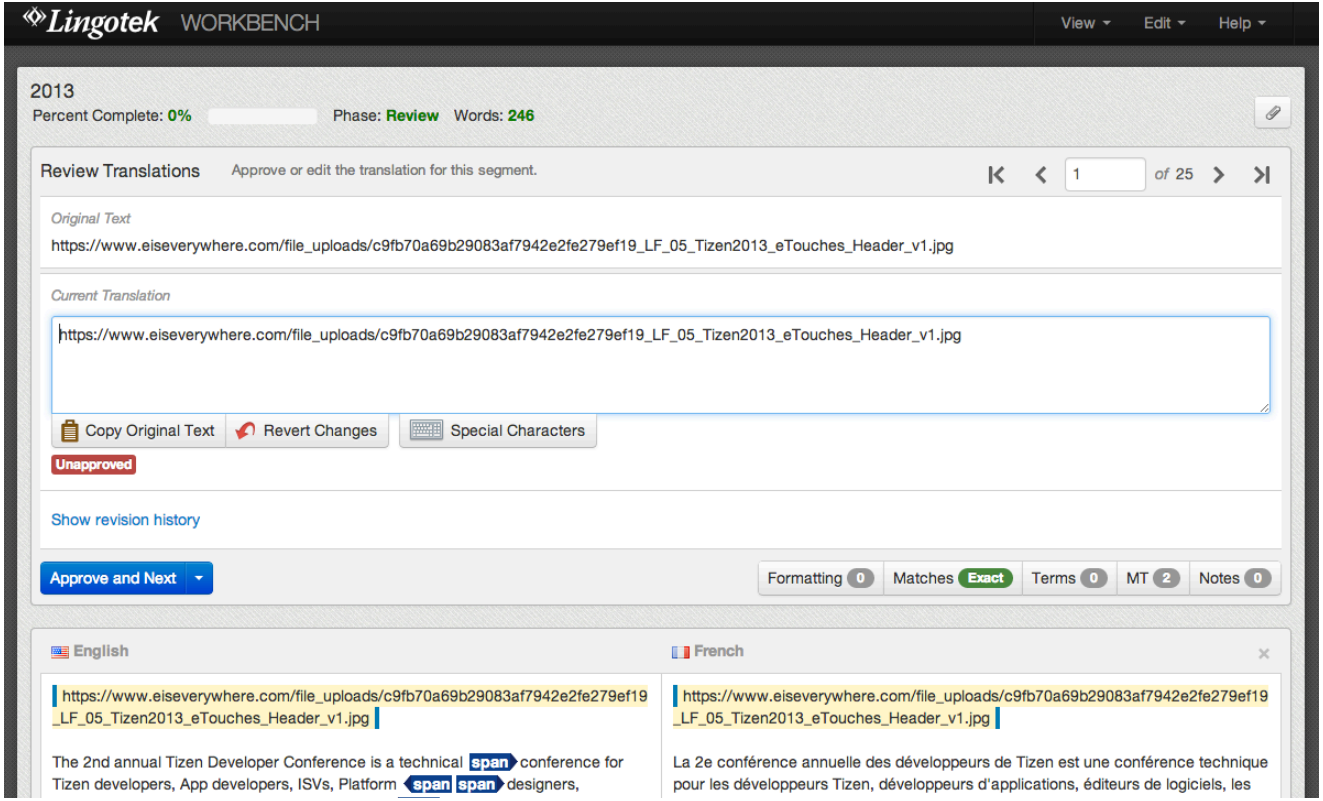
Localization of sites

- **Lingotek translation management**
- **http://lingotek.com/**
- **Interface Translation First**
- **Content Translation Workflow:**
  1. Content authored
  2. Pushed to Lingotek backend
  3. Machine Translation
  4. Translation Memory
  5. Professional Post Editing
  6. Pulled back into sites

- **Community Translations**
  - Same as above but community translators would do the post editing and there would be a final review

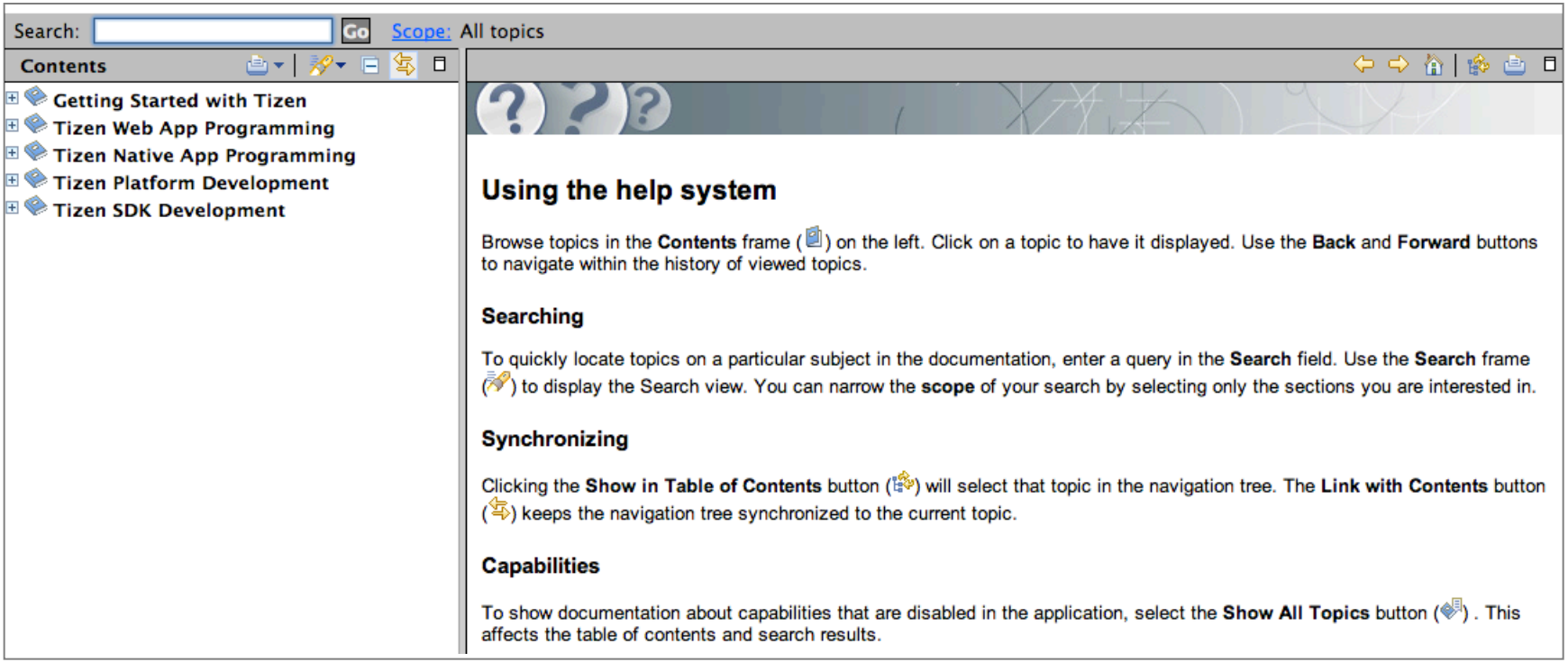


Localization: Community Translations



Roadmap of Features

Dev Guide Migration



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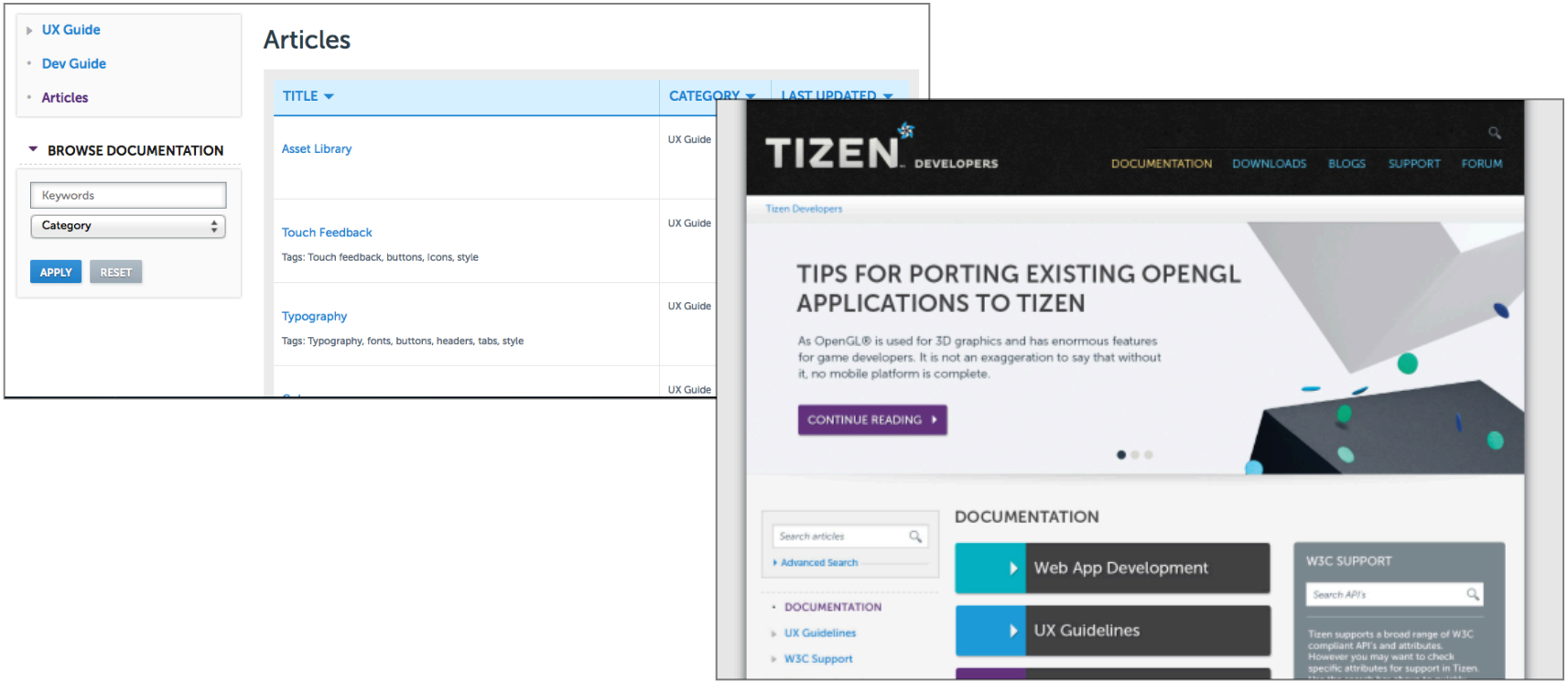
Dev Guide Migration

- **Import content into CMS (Drupal)**
- **Retain navigation structure**
- **Apply editorial workflow to content**
- **Localization of content**
- **Export structure and contents for packaging in each new release of the SDK**

Documentation Improvements



Content Staging

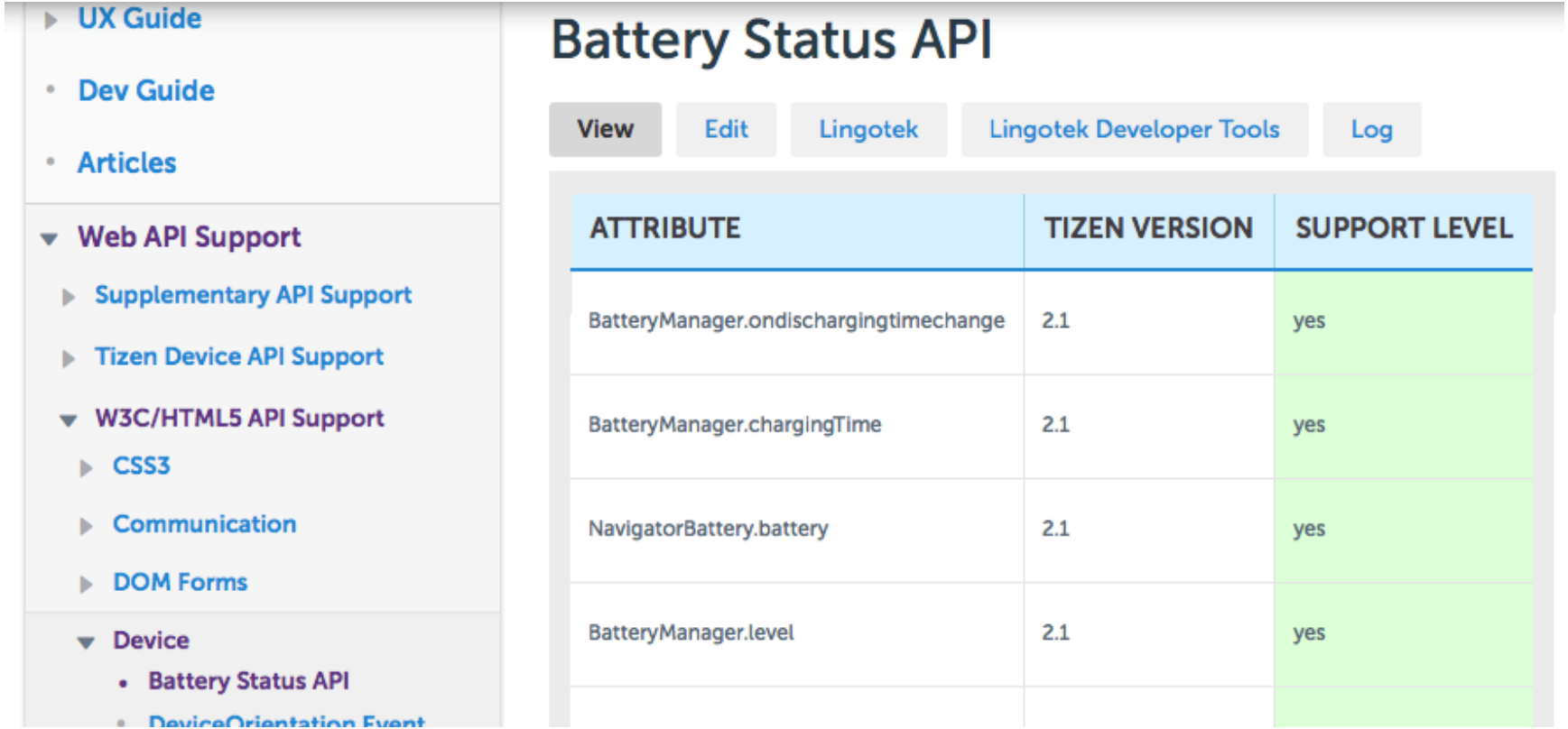
- **Allow collections of content or documentation to be previewed before publishing**
- **View site as it would look at a future date**
- **Publish the collections on a schedule**

Advanced Search Across Tizen

- **Search across all sites**
  - https://www.tizen.org
  - https://developer.tizen.org
  - https://source.tizen.org
  - https://wiki.tizen.org
  - https://bugs.tizen.org

- **Apache Solr**

W3C & Tizen API Support



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Accommodate Additional Device Types

- **Site is primarily focused on handset**
- **Need to re-architect certain areas to accommodate other device types, such as IVI, PC, TV, other?**
  - Releases & Downloads
  - Promotion
  - Forums

Other Features???

We need input from community using the infrastructure

- **What are you using?**
- **What is useful?**
- **What is missing?**

Submit requests to https://bugs.tizen.org

- Tizen Infrastructure Project
- Websites Component

Who’s Involved

Community Team

- Thiago Macieira
- Michael Shaver
- Shira Womack
- Daniel Holmlund
- Brian Warner
- Sriram Ramkrishna
- Eric Mantion
- Michael Ludden
- 지명진 Myeongjin Ji
- 마재준 Jaejun Ma (JJ Ma)
- 이성진 Seongjin Lee
- 한대호 Daeho Han
- 정대현 Daehyeon Jeong
- 최태호 Taiho Choi
- 박노준 Nojoon Park
- 이명재 Myungjae Lee
- 김홍익 Hongik Kim
- 정동신 Dongshin Jung
- 장혜경 Hyekyeong Chang
- Junyoung Park
- Julio Staude
- Stewart Christie
- Kirill Chuvilin
- Hiroki Minagawa
- Amarnath Kona
- Matsuzono Katsuki
- Romuald Rozan
- Youngsik Yoon

Development Team

- **Lullabot (Drupal Development Agency)**
- **http://www.lullabot.com/**

Design

- **Claire Alexander**
- **Cyrene Domogalla**

Questions?

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