

XML Authoring as a Service

- XaaS -

George Bina

george@oxygenxml.com

@georgebina #xmlprague



It's services all the way down!

We use a lot of services, connected to provide solutions:

- Storage
- Versioning
- Publishing
- Integration
- Communication

Let's add **XaaS** - XML Authoring as a Service

Use cases

Everyone can contribute!

Documentation updates by technical support team

Involve developers to review documentation

Everyone can contribute!

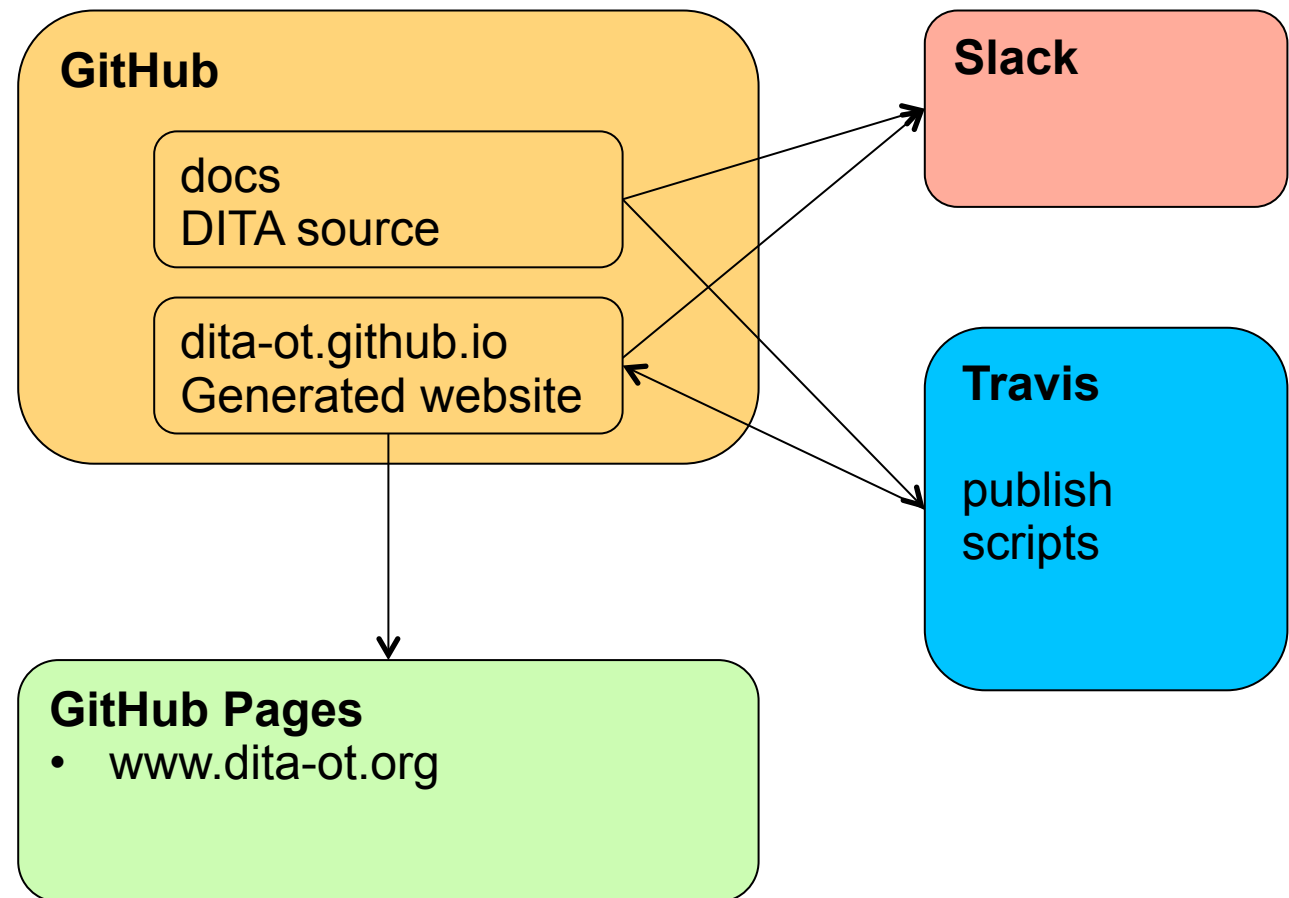
The DITA-OT documentation

<http://www.dita-ot/dev>

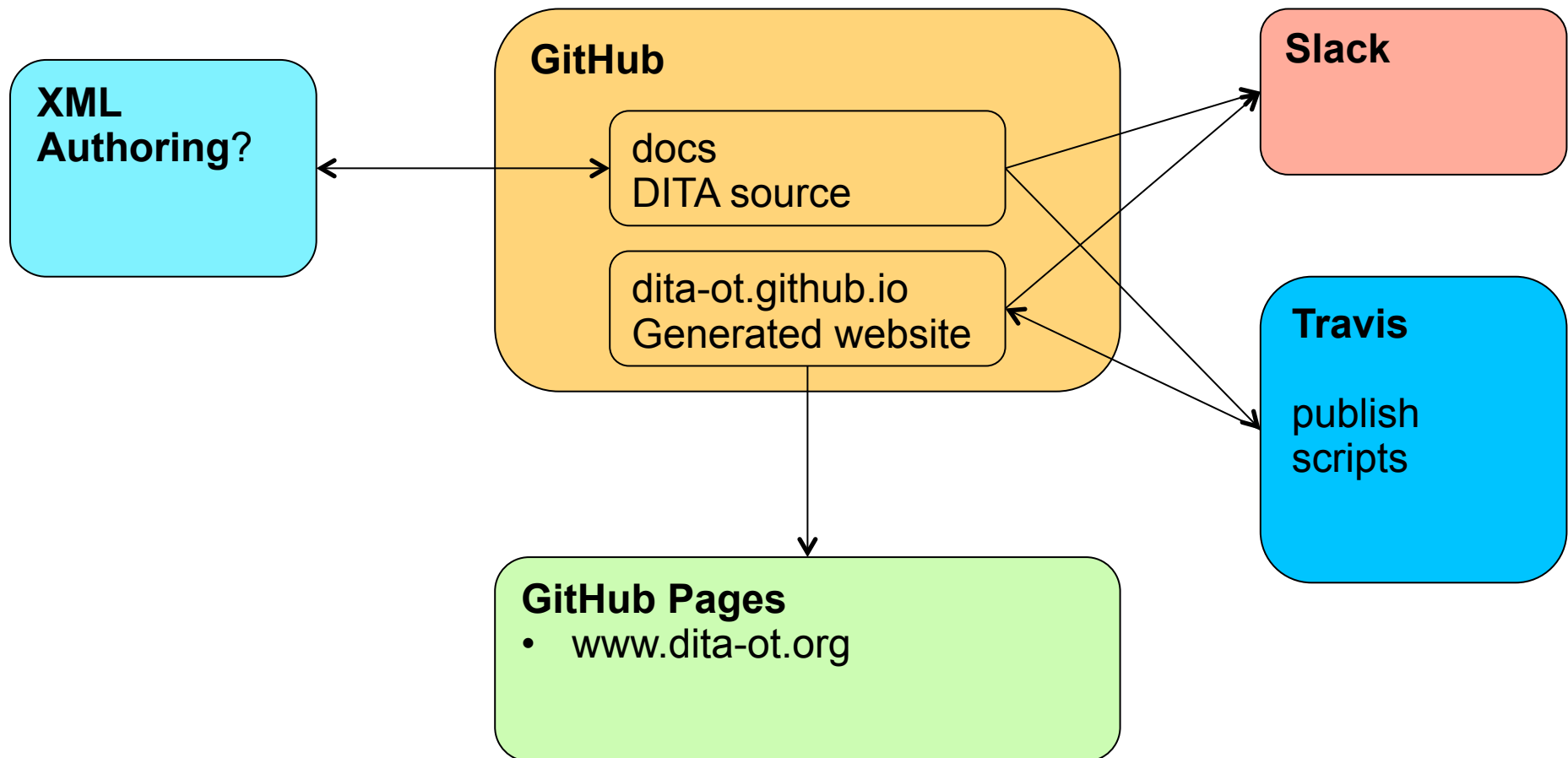
Connected services

Services used by the DITA-OT documentation:

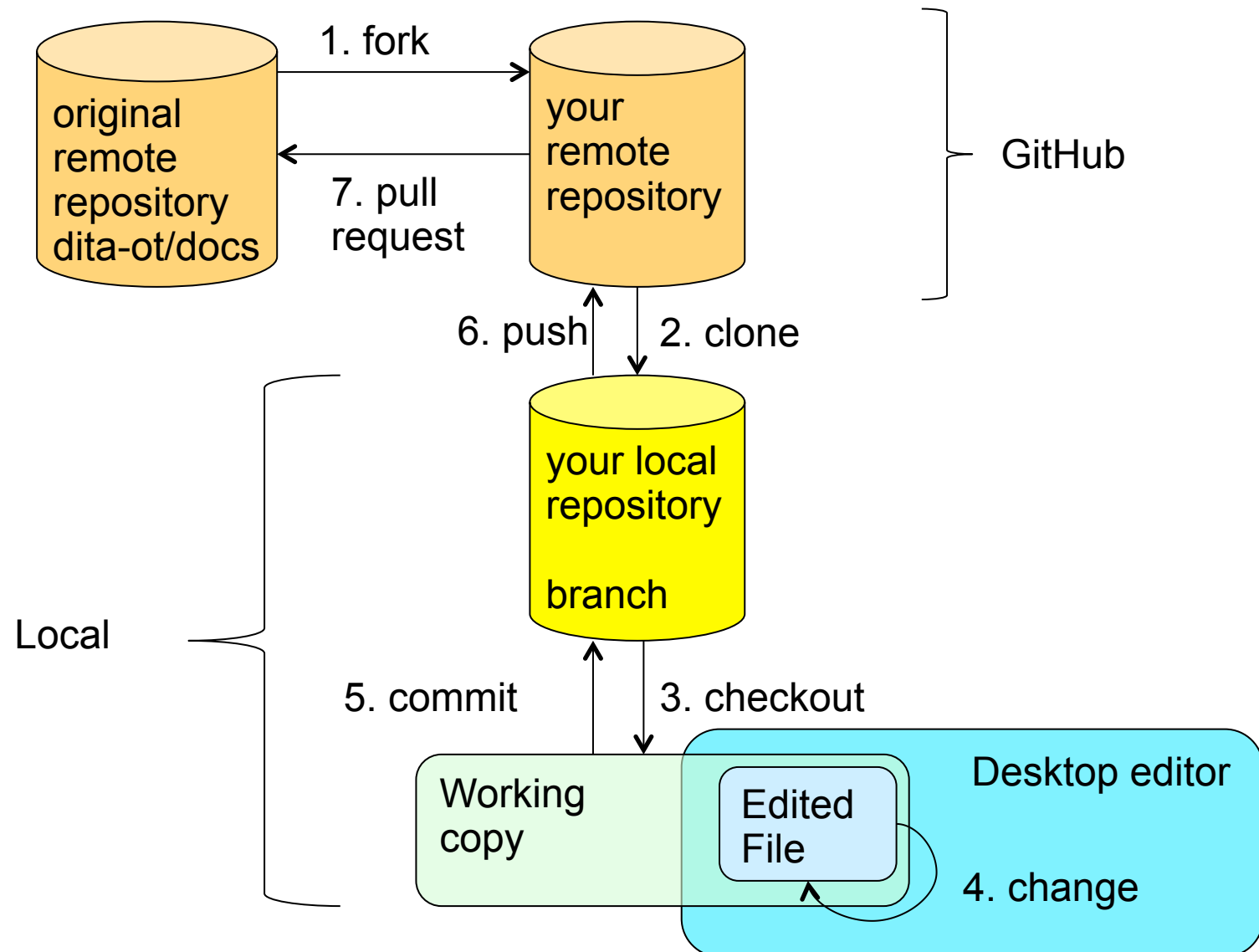
- GitHub
- GitHub Pages
- Travis
- Slack



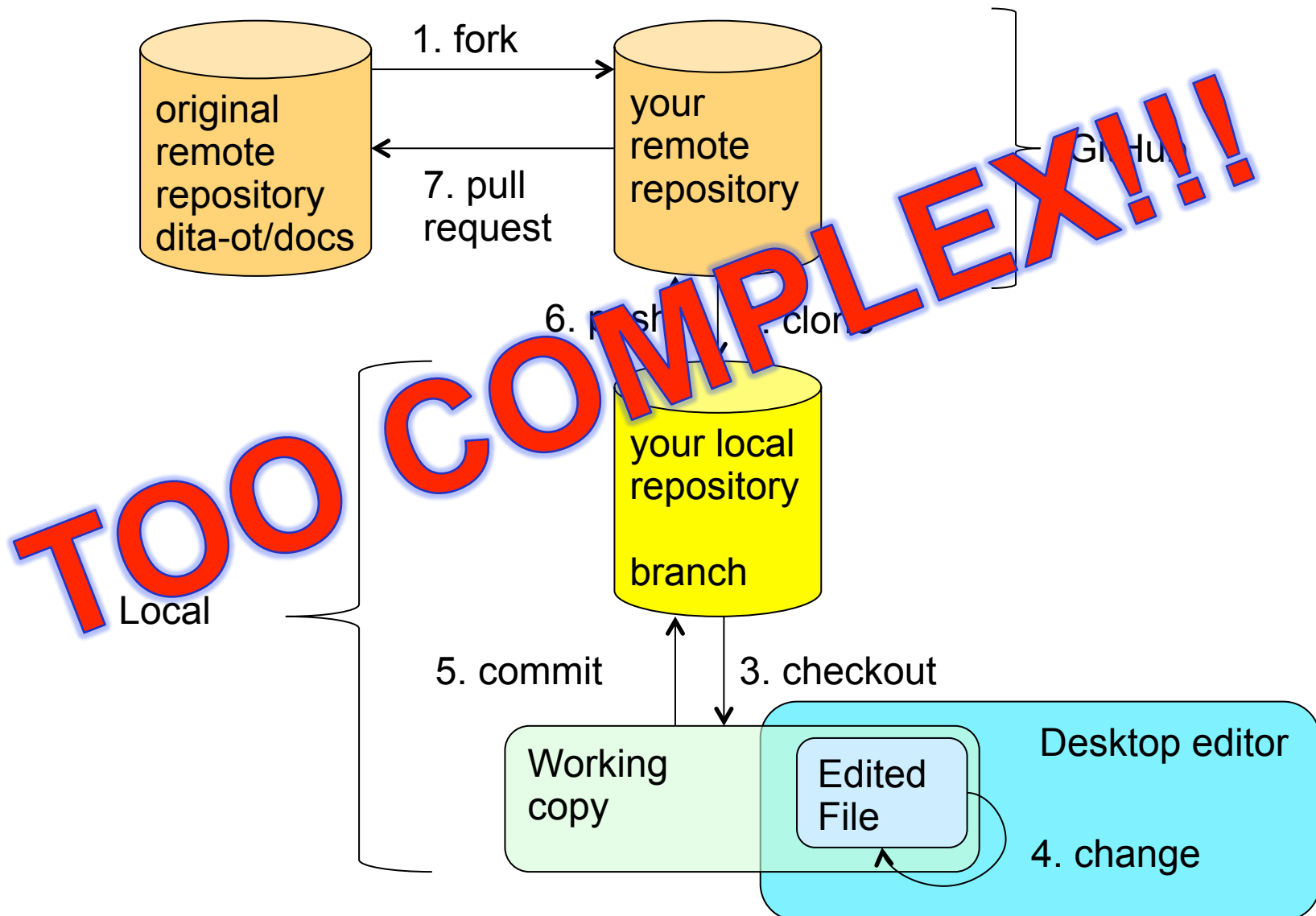
Connected services



GitHub contribution workflow



GitHub contribution workflow



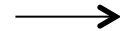
Simplified GitHub workflow

Automate parts of the contribution workflow

From

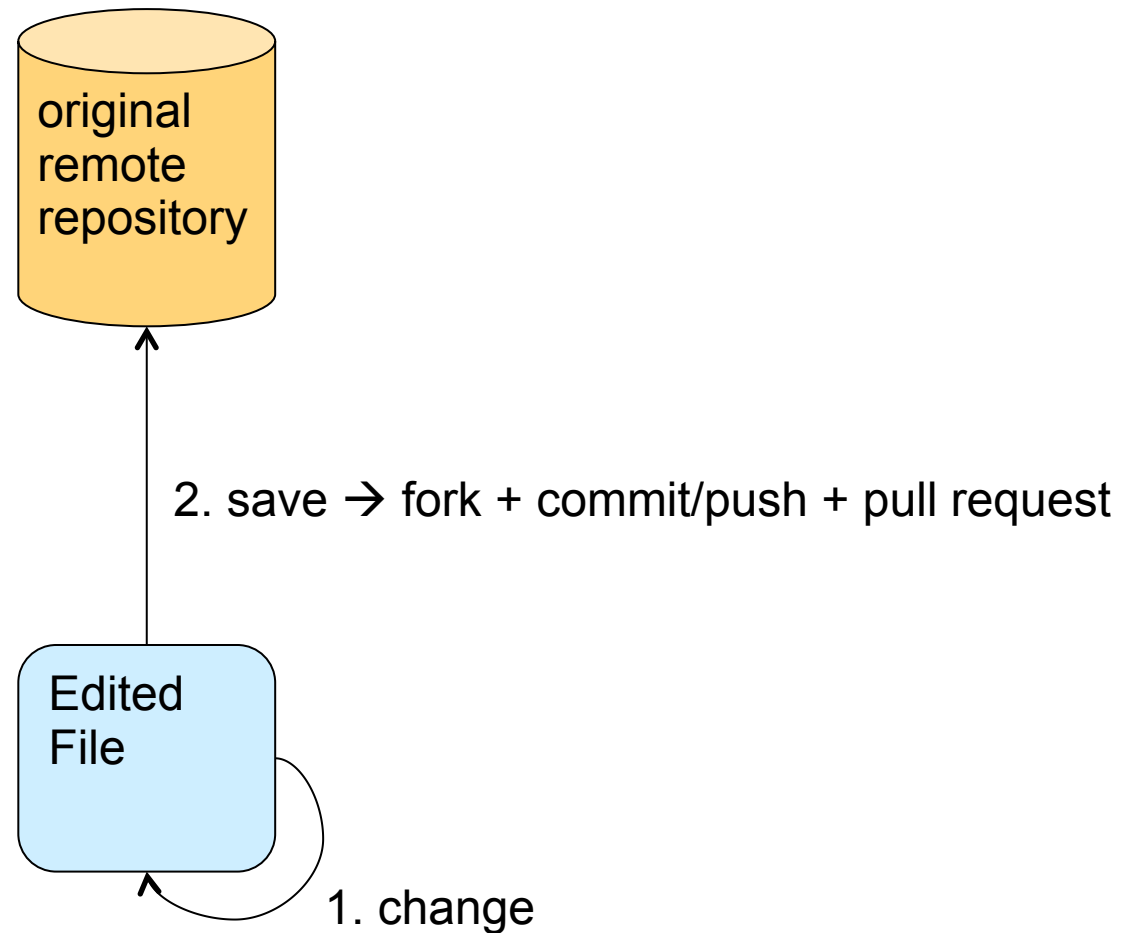
To

- Fork remote
- Clone locally
- Branch
- Checkout working copy
- **Change**
- **Commit locally**
- Push to remote
- Send pull request



- **Change**
- **Save/Commit**

Simplified workflow

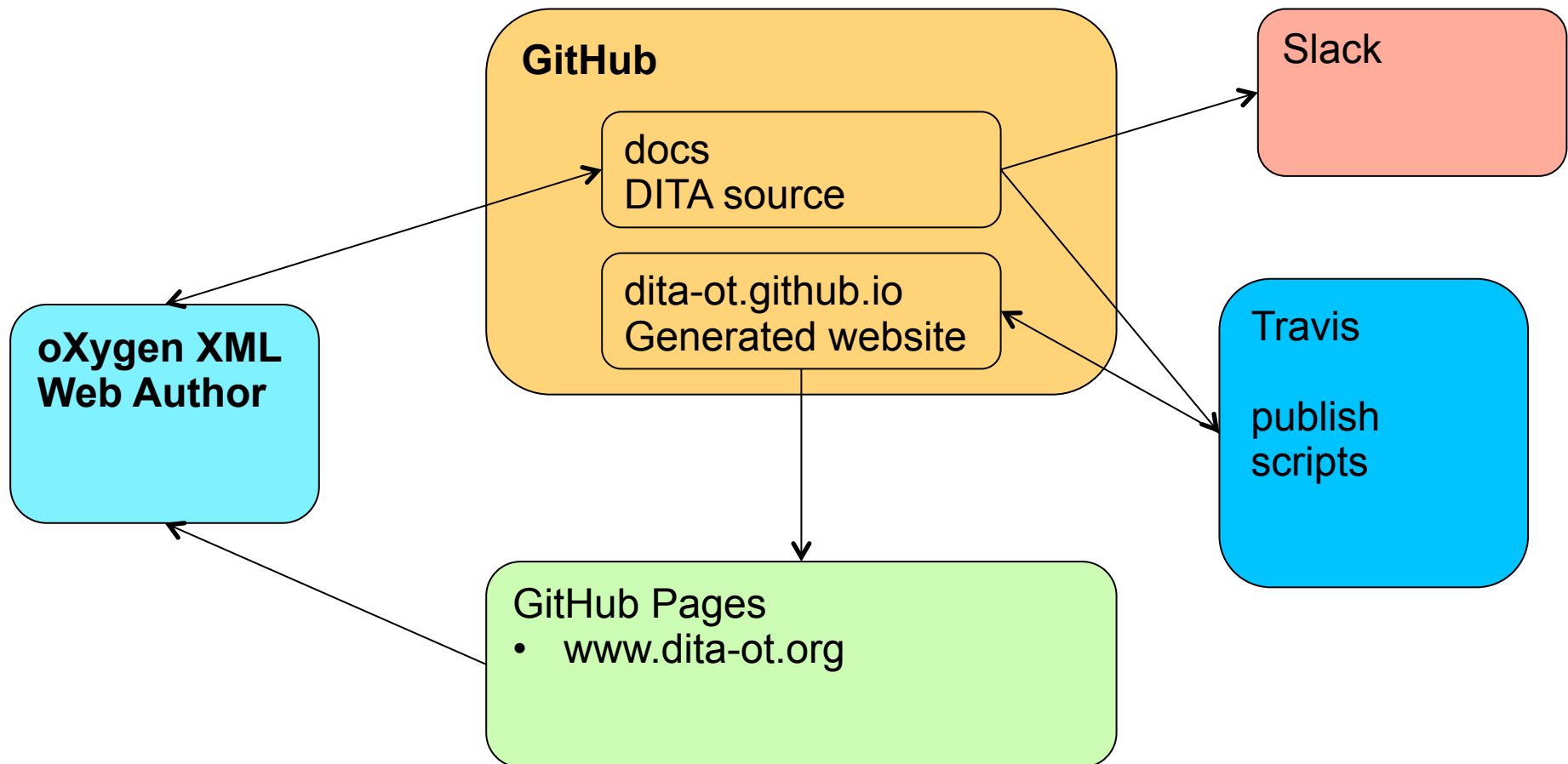


New service: XML Authoring

Services used by the DITA-OT documentation:

- **GitHub**
 - storage
 - versioning
 - access control
 - issue tracking
- **GitHub Pages**
 - web publishing
- **Travis**
 - automate publishing
- **Slack**
 - project communication
- **oXygen XML Web Author**
 - web-based XML Authoring

Connected services



Click on website to edit its content



DITA Open Toolkit 2.3

- Release Notes
- Getting Started
- User Guide
- Parameter Reference
- Developer Reference
- Contributing
- Who we are

DITA Open Toolkit 2.3

The *DITA Open Toolkit*, or *DITA-OT* for short, is a set of Java-based, open-source tools that provide processing for XML content authored in the *Darwin Information Typing Architecture*.

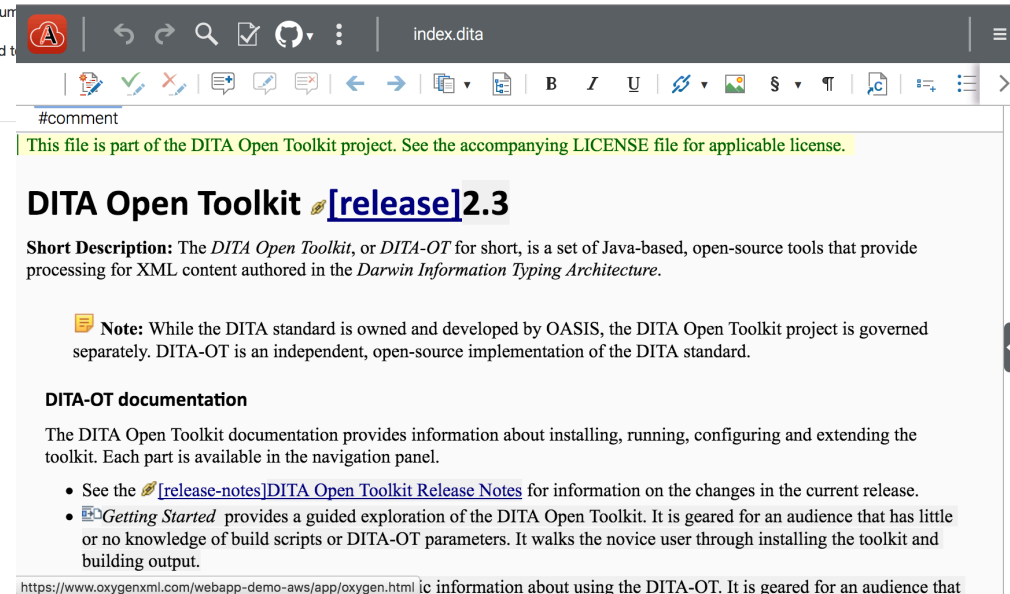
Note: While the DITA standard is owned and developed by OASIS, the DITA Open Toolkit project is governed separately. DITA-OT is an independent, open-source implementation of the DITA standard.

DITA-OT documentation

The DITA Open Toolkit documentation provides information about installing, running, configuring and extending the toolkit. Each part is available in the navigation panel.

- See the [DITA Open Toolkit 2.3.3 Release Notes](#) for information on the changes in the current release.
- Getting Started* provides a guided exploration of the DITA Open Toolkit. It is geared for an audience that has little or no knowledge of build scripts or DITA-OT parameters. It walks the novice user through installing the toolkit and building output.
- The *User Guide* is designed to provide basic information about using the DITA-OT. It is geared for an audience that needs information about running the toolkit, generating output, and troubleshooting builds.
- The *Parameter Reference* is designed to help users to locate information easily and quickly. It includes documentation on command arguments and options, DITA-OT parameters, and configuration properties.
- The *Developer Reference* is designed to provide more advanced information about the DITA-OT. It is geared for an audience that needs information about the DITA-OT architecture, extending the DITA-OT, and creating DITA-OT plug-ins.

DITA Open Toolkit is released under the Apache License, Version 2.0. [Edit this page.](#)



DITA-OT documentation website

<http://www.dita-ot.org/dev/>



DITA Open Toolkit 2.3

Release Notes

▸ Getting Started

▸ User Guide

▸ Parameter Reference

▸ Developer Reference

Contributing

Who we are

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DITA-OT documentation

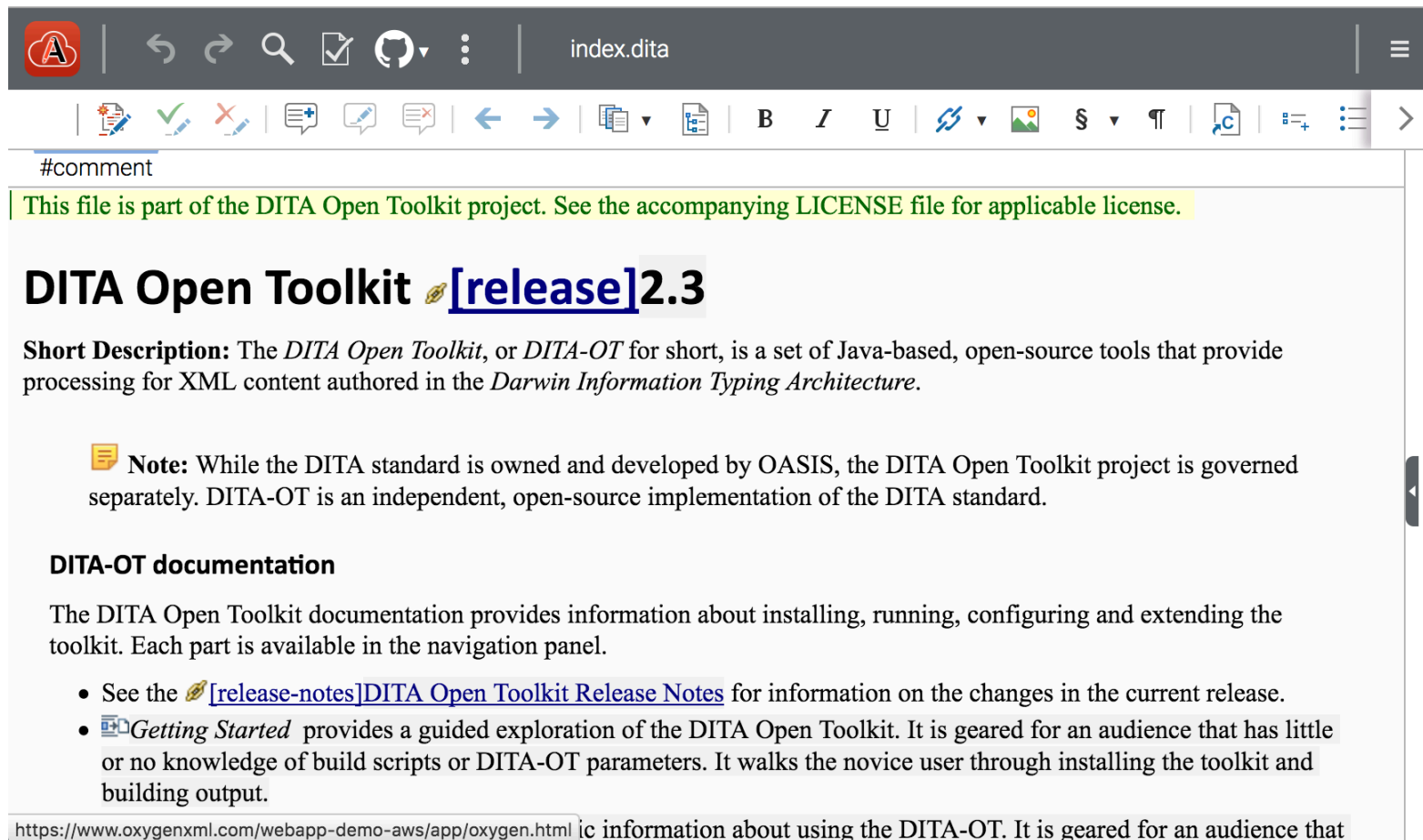
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edit link

Edit the source content



The screenshot shows the Oxygen XML Editor interface. The top toolbar includes icons for undo, redo, search, and other editing functions. The file name "index.dita" is displayed in the top right. Below the toolbar, a comment line reads: "#comment". A green highlighted text block states: "This file is part of the DITA Open Toolkit project. See the accompanying LICENSE file for applicable license." The main content area features a section titled "DITA Open Toolkit [\[release\]](#)2.3". Below this title, a "Short Description" paragraph explains that the DITA Open Toolkit (DITA-OT) is a set of Java-based, open-source tools for processing XML content authored in the Darwin Information Typing Architecture. A "Note" icon is followed by text stating that while the DITA standard is owned by OASIS, the DITA Open Toolkit project is governed separately. A section titled "DITA-OT documentation" follows, with a paragraph explaining that the documentation provides information about installing, running, configuring, and extending the toolkit. A bulleted list contains two items: one linking to "[release-notes]DITA Open Toolkit Release Notes" for information on changes, and another linking to "[Getting Started]" for a guided exploration of the toolkit. The bottom of the screenshot shows a URL: "https://www.oxygenxml.com/webapp-demo-aws/app/oxygen.html" and a partial sentence: "ic information about using the DITA-OT. It is geared for an audience that".

#comment

This file is part of the DITA Open Toolkit project. See the accompanying LICENSE file for applicable license.

DITA Open Toolkit [\[release\]](#)2.3

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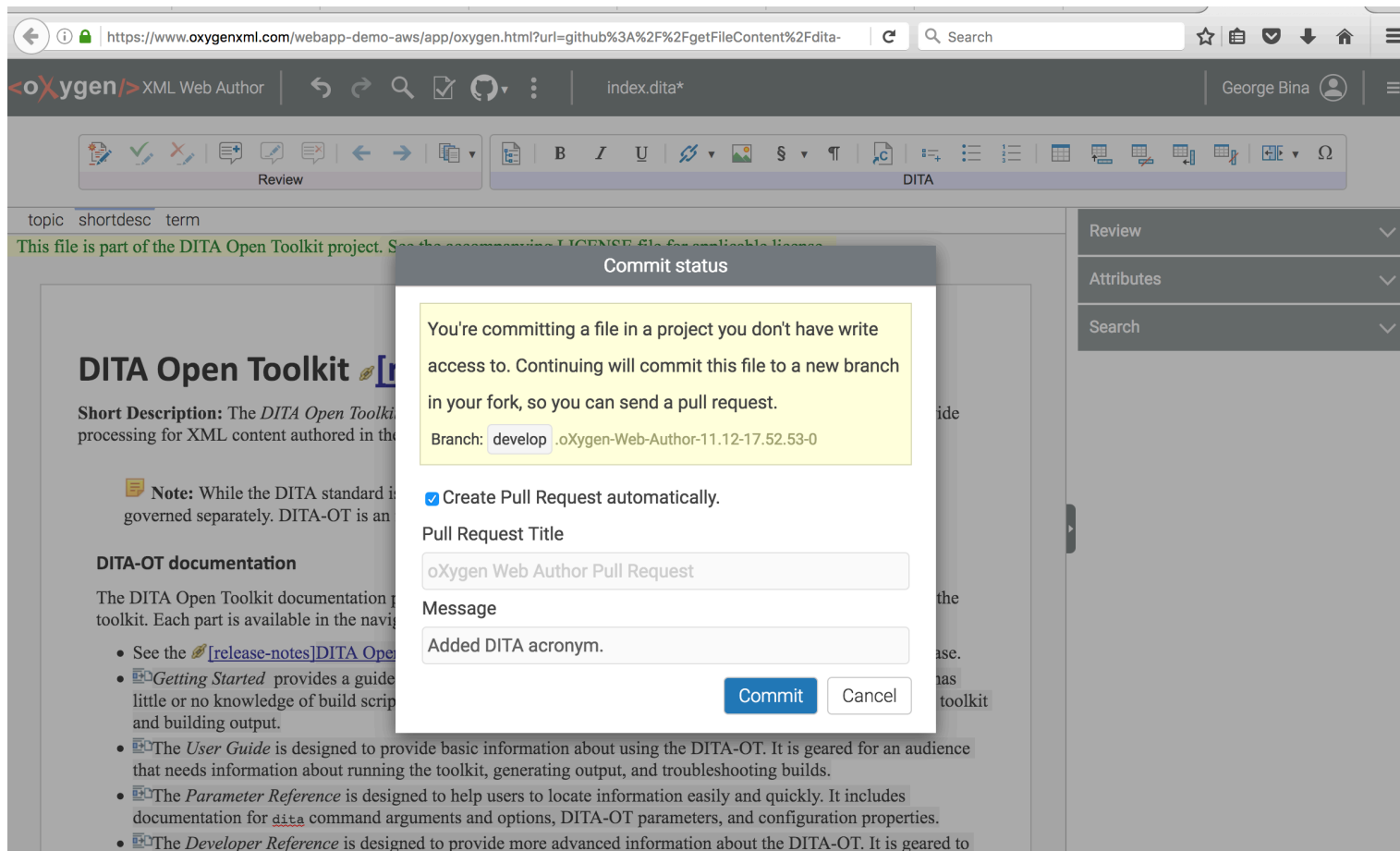
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Save to send a request for change



xproc.org and exproc.org

<http://xproc.org>

<http://exproc.org>

Connected services

- GitHub
- GitHub Pages
- Travis
- oXygen XML Web Author

This time the source is DocBook

xproc.org



[Home](#) [Implementations](#) [Library](#) [Extensions](#)

[Overview](#) | [Background](#) | [FAQ](#) | [Contact us](#) | [«Edit this page on GitHub»](#)

edit link

Welcome to XProc.org

XProc.org is a website about *XProc: An XML Pipeline Language*, a specification under development at the [W3C](#), and its use, implementation, and extensions.

What is it?

XProc is a language designed for describing operations to be performed on XML documents. The official specification for XProc is [XProc: An XML Pipeline Language](#). It is a [Recommendation](#).









The XProc specification was produced by the [XML Processing Model Working Group](#). The XProc WG operated in the public, anyone is free to read [the archives](#) of its mailing list.










While the WG was in operation, public comments on the specification could be sent to the [processing model comments](#) mailing list. [The archives](#) of the comments list are also open to the public. Now that the WG has been disbanded, readers are encouraged to submit comments to the community through the GitHub issue tracker.

Why did you do it?

















XProc is designed to address the common problem of how to compose XML processes. Many document processing scenarios involve

xproc.org source

 XML Web Author |      | index.xml | George Bina  


Review



DocBook



article info title



Article: XProc.org

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Section 1: What is it?

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Section 2: Why did you do it?

Review

Attributes

Validation

DITA-based Wiki

<http://www.github.com/georgebina/ghd-wiki>

Connected services

- GitHub
- GitHub Pages
- Travis (using oXygen XML WebHelp for publishing)
- oXygen XML Web Author

Source in DITA / Lightweight DITA / Markdown

Lightweight DITA topic

Sample DITA Wiki

[GitHub DITA Wiki](#)[Lightweight DITA](#)[Markdown](#)[Home](#) / [Lightweight DITA](#)

Lightweight DITA

[History](#) | [Edit](#)[Lightweight DITA](#)


Lightweight DITA can be used for **ghd-wiki** taking advantage of controlled authoring experience by providing placeholders, hints, inline actions and inline form controls.

Lightweight DITA is a great alternative to Markdown, having the same or less complexity degree while being very clearly specified. The user interface takes advantage of controlling the authoring experience through placeholders, hints, inline actions and form controls to edit attribute values in place, all these combined to provide a simple user interface suitable for any contributors.




It is very easy to create content in LW-DITA, especially if you can benefit of some help from the authoring tool. The **oxygen XML Web Author** is an example of such a tool, that provides special support for working with LW-DITA, support that can be extended further to match your actual needs.

History and Edit links

Revisions history

 This repository

Pull requests Issues Gist

georgebina / ghd-wiki

Unwatch 1 Star 0 Fork 5

<> Code

Issues 0

Pull requests 0

Projects 0

Wiki


Pulse



Graphs


Settings



History for [ghd-wiki](#) / [wiki](#) / [topic.dita](#)


Commits on Oct 16, 2016



**Committing with oXygen Web Author**
georgebina committed 15 hours ago ✓

 34569e6 


**Make short description shorter.**
georgebina committed 15 hours ago ✓

 2e7121b 

**Updated content.**
georgebina committed 20 hours ago ✓

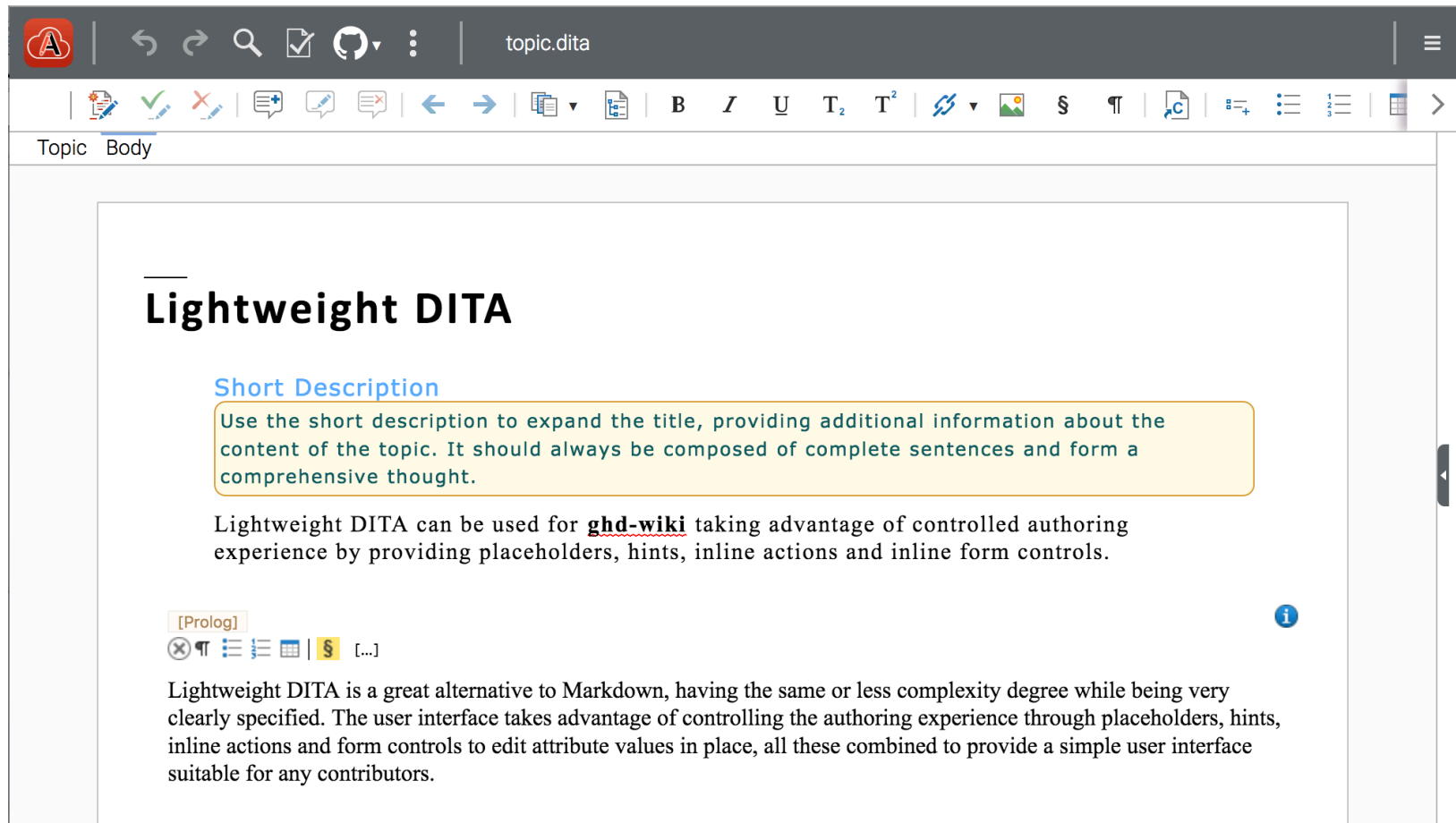
 060e34e 

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Controlled AX online editor

A screenshot of the Oxygen XML Editor interface. The top toolbar includes icons for undo, redo, search, and other editing functions. The address bar shows "topic.dita". Below the toolbar, there are tabs for "Topic" and "Body". The main editing area displays a DITA topic titled "Lightweight DITA". Under the title, there is a "Short Description" section with a yellow background and a text box containing the instruction: "Use the short description to expand the title, providing additional information about the content of the topic. It should always be composed of complete sentences and form a comprehensive thought." Below this, a paragraph states: "Lightweight DITA can be used for ghd-wiki taking advantage of controlled authoring experience by providing placeholders, hints, inline actions and inline form controls." Further down, there is a "[Prolog]" section with a small toolbar and a paragraph describing Lightweight DITA as an alternative to Markdown, highlighting its controlled authoring features like placeholders, hints, and inline actions for attribute values.

Documentation updates by technical support team

The oXygen XML Editor user guide

<https://oxygenxml.com/doc/versions/18.1/ug-editor/>

Allow technical support engineers to propose documentation fixes or improvements

Links to edit each topic

[Home](#) / [Getting Started](#)

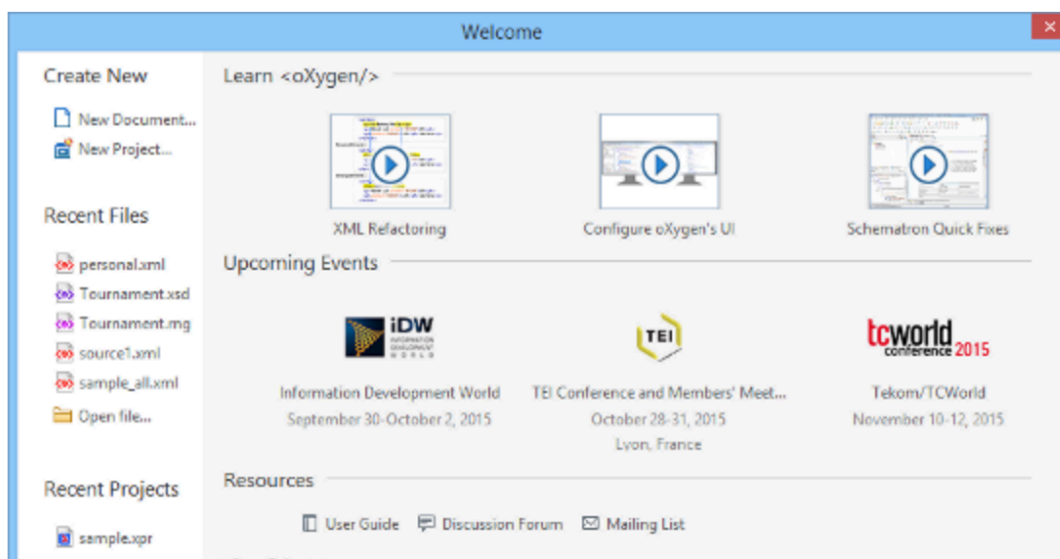
Getting Started

[History](#) | [Edit](#)

This section provides a variety of resources to help you get the most out of the application. Typically, the first step of getting started with Oxygen XML Editor would be to install the software. For detailed information about that process, see the [Installation chapter](#).

After installation, when you launch Oxygen XML Editor for the first time, you are greeted with a **Welcome** dialog box. It presents upcoming events, useful video demonstrations, helpful resources, the tip of the day, and also gives you easy access to recently used files and projects and to create new ones.

Figure: Welcome Dialog Box



Getting Started

[What is Oxygen XML Editor](#)[Getting Familiar with the Layout](#)[Supported Document Types](#)[Resources to Help You Get Started Using Oxygen XML Editor](#)[Your First Document or Project](#)[Getting Help](#)[Frequently Used Shortcut Keys](#)


Involve developers to review product documentation









Review product documentation



Connected services:



- GitHub
- Jira
- oXygen XML Web Author






Link to changed topics

 oXygen / EXM-37353
[Merge] Merge all non-conflicting changes

 Edit  Comment  Assign  More  Reopen for documentation  Reopen Issue   Export

  Steven Higgs added a comment - Last Tuesday 10:34 AM
Documented and committed on [EXM-36575](#).


  Sorin Carbunaru added a comment - Last Wednesday 4:15 PM
Made some changes in the documentation regarding the merging of the changes. I discussed them with Tavi. I will close the issue.

  Web Author Review Bot added a comment - Last Thursday 9:53 AM   

Files to be reviewed:

- [DITA/topics/compare-directories-3-way.dita](#)

A diff of the changes can be seen on [GitHub](#)

 Comment

<https://www.oxygenxml.com/webapp-demo-aws/app/oxygen.html?ditamap=github:...xygenxml/userguide-private/dev/DITA/topics/compare-directories-3-way.dita>

click to
review/edit

Email notifications with links



From	Subject	Date	Loca...
Octavian Nadolu [syncro] (JIRA)	[JIRA] Resolved: (EXM-37353) [Merge] Merge all non-conflicting changes	28/09/16 ...	_messag...
Florin Avram [syncro] (JIRA)	[JIRA] Comment Edited: (EXM-37353) [Merge] Merge all non-conflicting changes	12/10/16 1...	_messag...
Florin Avram [syncro] (JIRA)	[JIRA] Comment Edited: (EXM-37353) [Merge] Merge all non-conflicting changes	12/10/16 1...	_messag...
Web Author Review Bot (JIRA)	[JIRA] Commented: (EXM-37353) [Merge] Merge all non-conflicting changes	13/10/16 ...	_messag...

From Web Author Review Bot (JIRA) <jira-alias-20052011-TOKEN@sync.ro> ★

Subject [JIRA] Commented: (EXM-37353) [Merge] Merge all non-conflicting changes 13/10/16 09:54

To Me <george@sync.ro> ★

Tags **Rezolvat**

 [Web Author Review Bot](#) commented on  [EXM-37353](#)

[Merge] Merge all non-conflicting changes

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Take-aways

XaaS – XML (Authoring) as a Service

Contributing content to XML-based systems cannot be easier!

Click – Edit – Save – Describe what you changed

Anyone can edit the content by following a link

Contributions can be reviewed before they are published (content curation)

A customized user interface can lower the entry barrier for non-technical users

We need more services - diff, publishing, etc.

Thank you!

Questions?



george@oxygenxml.com



@georgebina



<http://www.oxygenxml.com>