

React + Plone

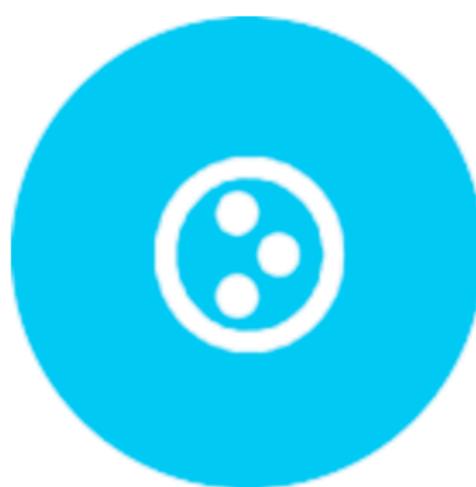
Melding React With The Ultra Secure Plone
Content Repository

About Me

- » Working with Plone since 2003
- » Developer > team leader > project manager
- » Plone Foundation Board

Plone

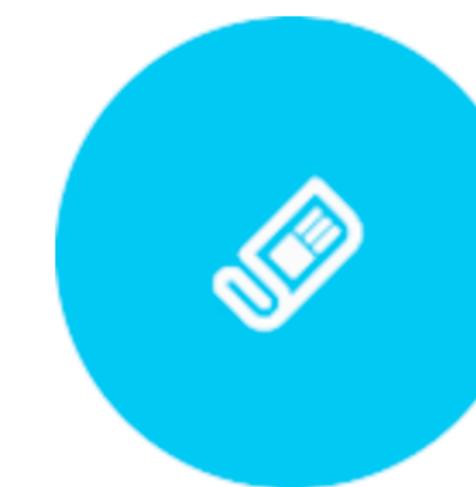
The Ultimate Open Source Enterprise CMS

[LEARN ABOUT PLONE 5](#)

WHY USE PLONE

Plone has an [active, thriving community](#) that holds [annual conferences, regional symposia, and many sprints](#) all over the world.

See [our statement about Plone's outstanding security track record](#)

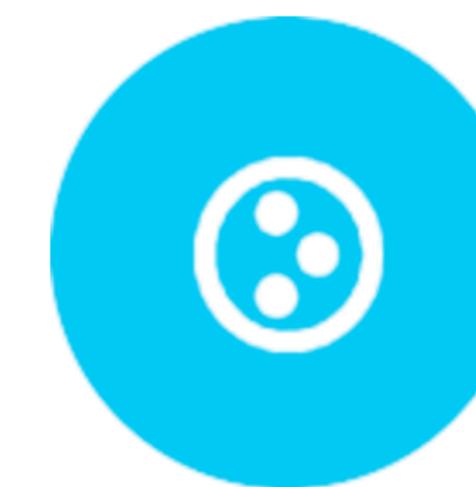


RECENT PLONE LAUNCHES



[Yesterday Bar](#)

By: X-Net Services
Location: Austria



THEY USE PLONE



Plone

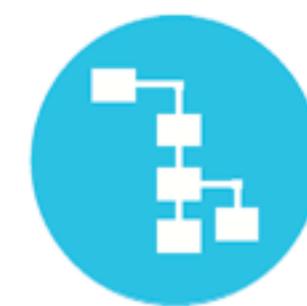
- » Open source, community-driven since 2001
- » Super secure, no zero days
- » Time tested, robust
- » Protected by the Plone Foundation, a 501(c)3 non-profit

Why Plone

- » Scales for small to very large organizations
- » Feature complete
- » Workflow & security out of the box
- » For web sites or intranets with many editors, or lots of organized content, or both



Enterprise Integration



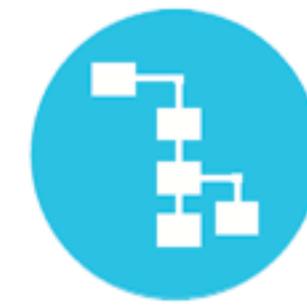
Flexible Workflows



Industrial Strength Security



Enterprise Integration



Flexible Workflows



Industrial Strength Security



Intranets



Multi-site Management



Designer Friendly



Multilingual



Accessibility Standards Compliant



Documentation and Support



Authentication and Single Sign On

Plone Demo

Welcome to Plone — English

demo.plone.org/en

Log in only in current section

Search Site Search

Home Demo Suite8 Interface Documentation Suite8 Interface Documentation

Plone – The ultimate Open Source Enterprise CMS

About this site

This is a demo-site where you can test Plone 5.2. The site will be reset every 24 hours.

This site is provided by the Plone Community. If you have suggestions or encounter problems please [submit a issue](#) on github.

Want to know more?

- [The features of Plone](#)
- [Plone-Documentation](#)
- [Success stories](#)
- [Plone-Training](#)
- [Add ons for Plone](#)

[Log in now!](#)

Manager
Manage content, users, addons and settings.

Editor-in-chief
Create, edit and publish content.

Editor
Create, edit and submit content.

Home

Welcome to Plone

The ultimate Open Source Enterprise CMS

Edit this site and test Plone now!

Upcoming Events

A Event
Oct 01, 2020
(Europe/Berlin) — Planet Earth

Previous events...
Upcoming events...

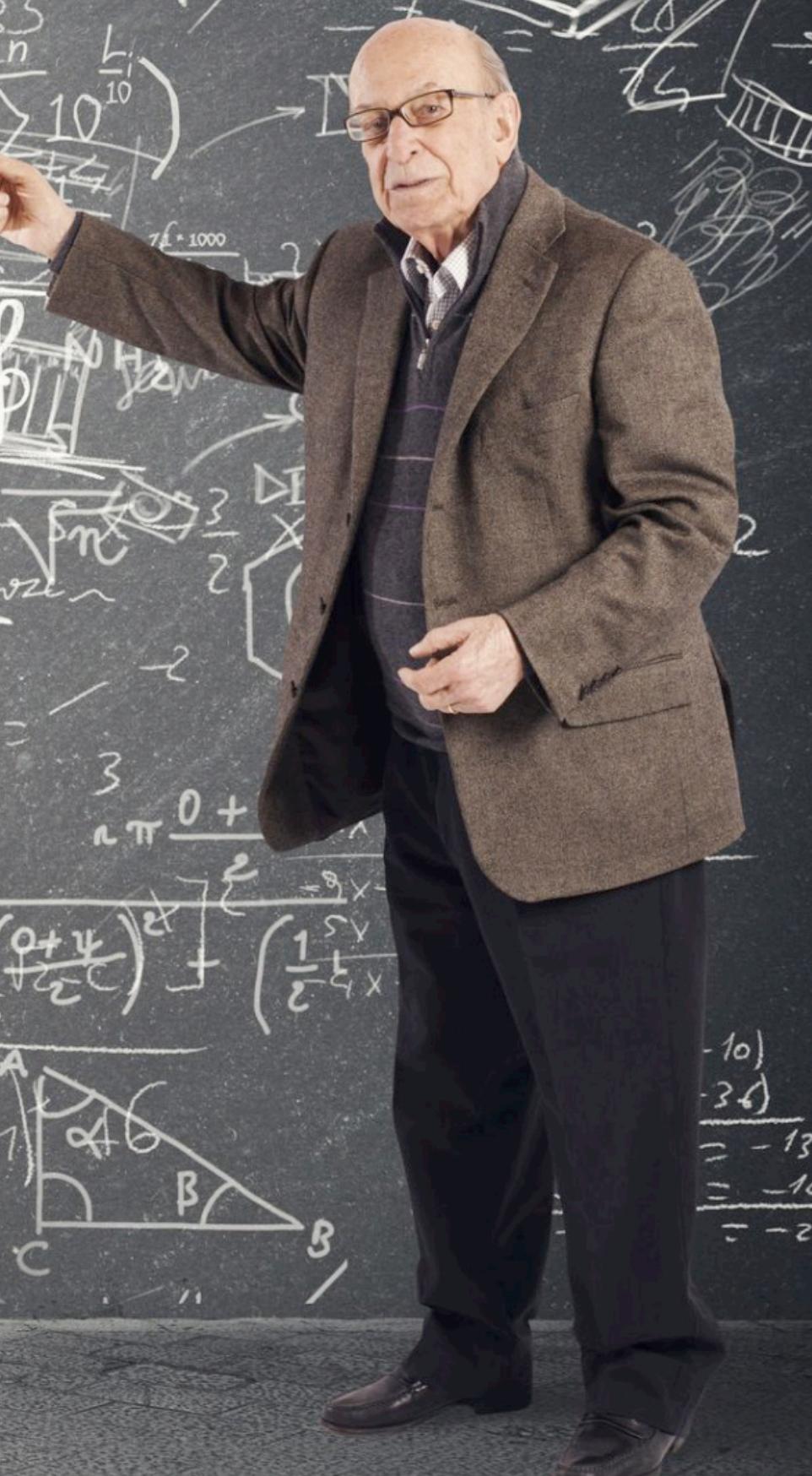
OPEN CHAT

State of Plone

- Plone 5.2: Python 3, REST API;
“headless content storage”
capability
- Plone 6: will include a new default
UI the current "classic" Plone UI,
but

Customizing Plone

- » Complex stack (Python, JavaScript, XML, ZCML, Diazo theming engine, GenericSetup, Zope Component Architecture, viewlets, portlets, browser views, Mosaic tiles, jbot, TAL/Chameleon, Mockup)
- » Mostly server-side rendering only
- » “Classic Plone”



JavaScript Front Ends

- Speed
- Mobile friendly
- Popularity
- Tooling has matured



React

Docs

Tutorial

Blog

Community



v16.9.0



Languages

GitHub

React

A JavaScript library for building user interfaces

React

- Most popular JavaScript frontend framework (others: Angular, Vue)
- Open source, by Facebook
- Can also render on the server using Node
- Can be used to create mobile apps with React Native

React + Plone = ...?



VOITO

React + Plone = Volto

- Yes, we can have the best of both worlds
- Take the speed and flexibility of React
- Add it to Plone's robust, secure content store

Volto

- » React
- » Semantic UI
- » Pure JavaScript
- » Talks to a REST API... like Plone's

Volto

- » Server Side Rendering (for SEO)
- » Use other React components easily with your website, intranet, portal

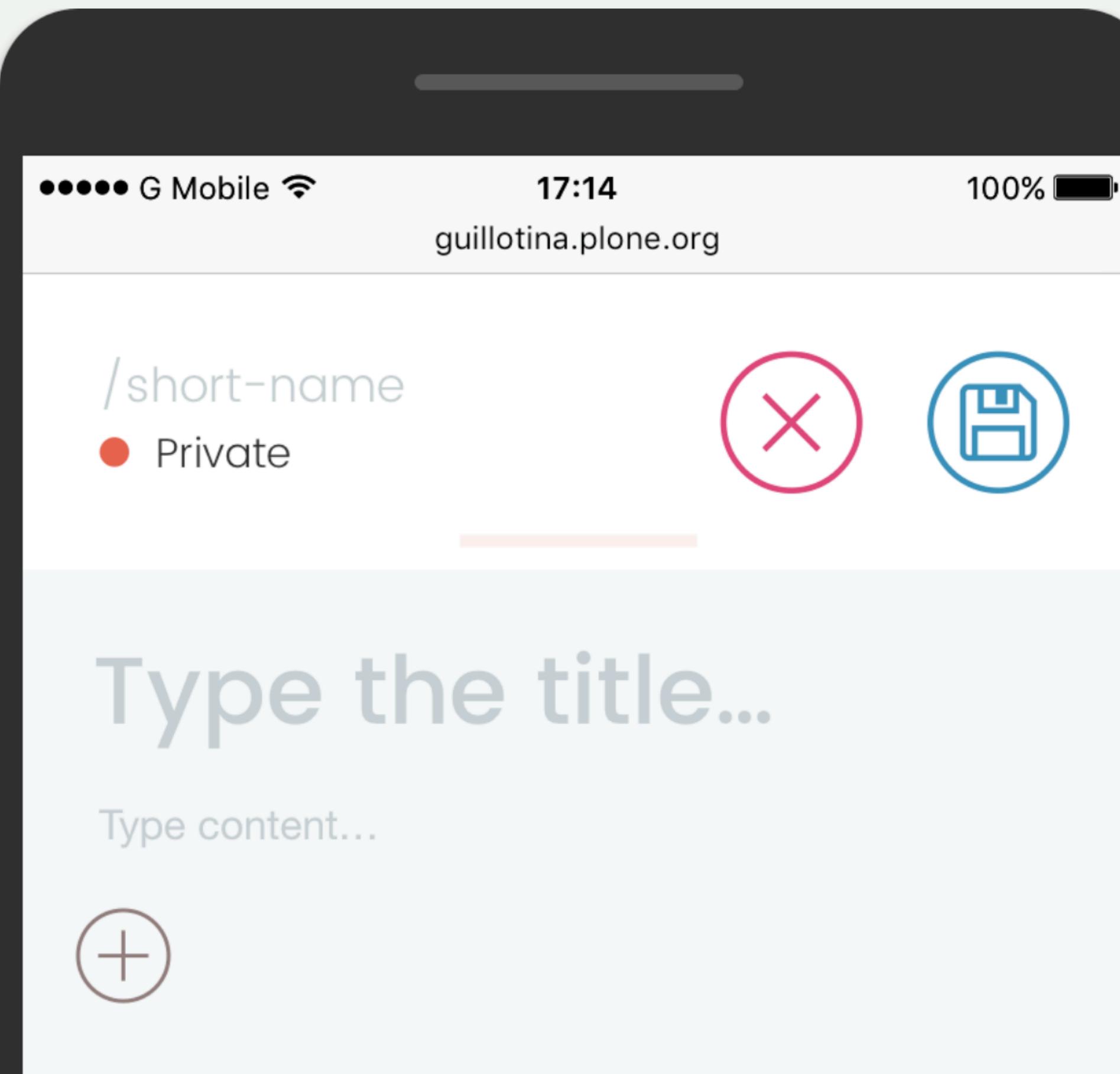
UX/UI

- Highly themable and customizable
- Many React components and Semantic UI themes that can be used/included in your project
- Pastanaga UI



Pastanaga UI

The new UX framework for editing the web



Volt Dem^o



The screenshot shows a web browser window with the title "Welcome to Volto!" and the URL "https://volto.kitconcept.com". The browser interface includes standard controls like back, forward, and search, along with a sidebar on the left containing icons for edit, file, and more.

VOLTO

HOME NEWS EVENTS USERS

Search Site

Welcome to Volto!

The React powered content management system

Volto is a React-based frontend for content management systems, currently supporting three backend implementations: Plone, Guillotina and a NodeJS reference implementation.

Plone is a CMS built on Python with over 17 years of experience. Plone has very interesting features that appeal to developers and users alike, such as customizable content types, hierarchical URL object traversing and a sophisticated content workflow powered by a granular permissions model. This allows you to build anything from simple websites to enterprise-grade intranets. Volto exposes all these features and communicates with Plone via its mature REST API. Volto can be easily themed and is highly customizable.

Volto also supports other APIs like **Guillotina**, a Python resource management system, inspired by Plone and using the same basic concepts like traversal, content types and permissions model.

Last but not least, it also supports a **Volto Nodejs-based backend reference** API implementation that demos how other systems could also use Volto to display and create content through it.

Demo

You can use this site to test Volto. It runs Volto 3.0.0 using Plone 5.2rc4 Backend and Plone REST API 4.0.0

You can log in and use it as admin user using these **credentials**:

user: **admin**

password: **admin**

Pastanaga UI

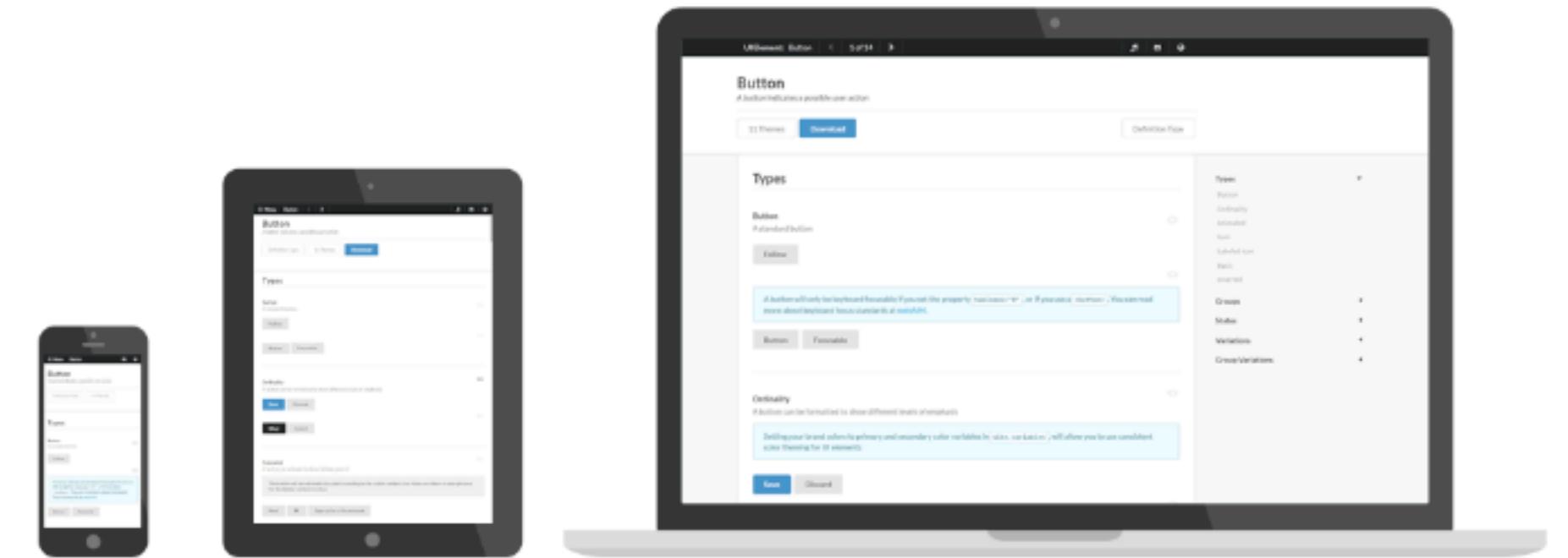
2.4.2

Semantic UI

User Interface is the language of the web

Get Started

New in 2.4



Design Beautiful Websites Quickly



3000+ Theming
Variables

The only dogma from this framework:
everything arbitrary is mutable.



50+ UI Components

Build your entire site with one UI stack.
Share your UI between multiple
projects.



5000+ Commits

Semantic UI is a **free open source**
project already used in multiple **large**
scale production environments.

Extensibility, Flexibility

- Semantic UI (semantic-ui.com)
- Component architecture
- Overrides
- Choose React components and Semantic UI themes to used in your project

Volto Resources

- » Demo: volto.kitconcept.com
- » Documentation: docs.voltocms.com
- » Talk: 2018.ploneconf.org/talks/plone-react
- » Training: training.plone.org/5/react

Plone Resources

- » About Plone 5.2 [https://plone.org/
news/2019/plone-5-2-the-future-
proofing-release](https://plone.org/news/2019/plone-5-2-the-future-proofing-release)
- » Overview: plone.com
- » Community & developers:
plone.org



Plone

2019
OCT 21-27



Conference
Ferrara
ITALY



Plone Conference 2019

- Come to the Plone Conference 2019
in Ferrara , Italy, October 21-27, 2019!
- 2019.ploneconf.org

six feet up

python & cloud expert consulting

» Planning » Development » Orchestration » Support



Questions? Please ask!

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- » sixfeetup.com