

# New Web Services Portal

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# Agenda

- Context & Motivation
- New Portal at a glance
- Common workflows
- Staged roll-out
- Coming next

# Context

- CDA-WF provides central hosting infrastructure for websites and applications as well as central web services for collaborative development and projects:
  - AFS, EOS, DFS web hosting,
  - Platform-as-a-Service,
  - GitLab, Jira,
  - Drupal, MkDocs, CodiMD,
  - ... and many more
- We provide a web interface to ease the management of websites at <https://webservices.web.cern.ch>

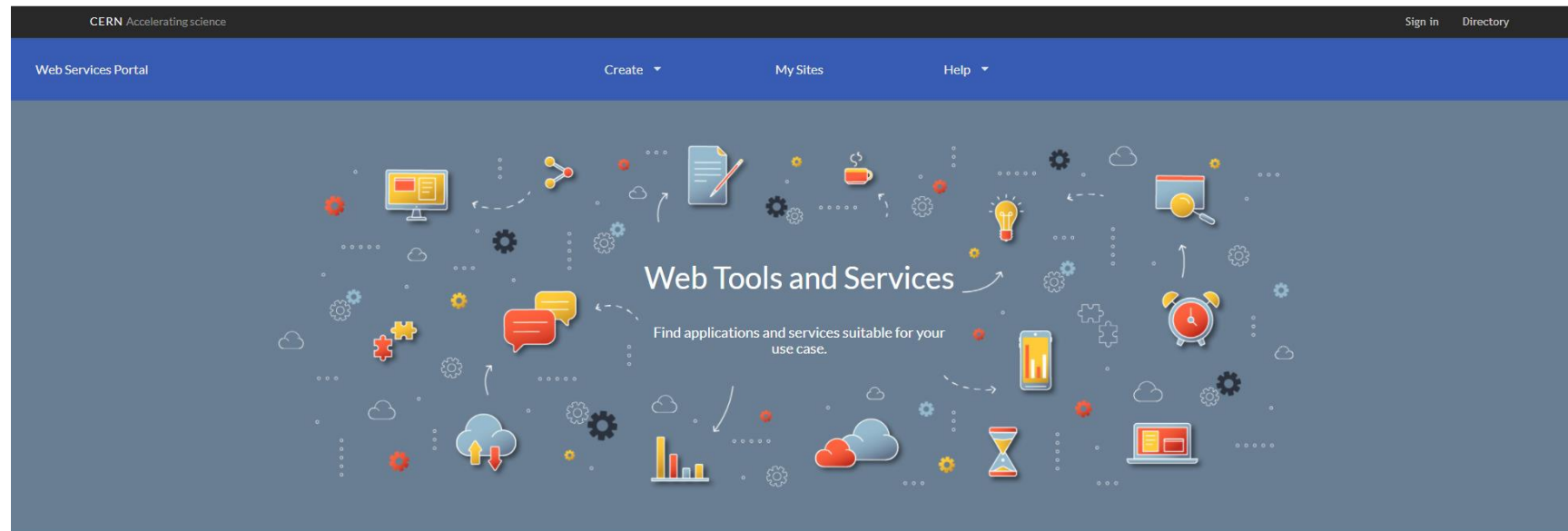
# Motivation for a new Web Services Portal







- Ongoing consolidation of hosting infrastructure on a common platform, the next generation of Openshift, called OKD4
- Multiple clusters => multiple entry points
- Old portal is > 15 years old, strongly coupled with Windows, difficult to maintain and evolve
- A more modern and user friendly interface
- Improved recommendations for services

# New Portal at a glance

- Replace old portal as the one-stop interface for websites management
- Shortcuts to site creation, sites listing and help pages
- Classification of tools in categories to help navigate the current portfolio
- Quick overview of centrally provided web services

# New Portal at a glance



 <p><b>Web Content Management</b></p> <p>Create fully-fledged projects and organizational sites with content management and WSIWG editor.</p>	 <p><b>Documentation</b></p> <p>Create structured documentation for a service, build your project's knowledge base, work on publications.</p>	 <p><b>Communication</b></p> <p>Allow your community to discuss specific topics and get their answers quickly. Prepare surveys, send newsletters and alerts.</p>
 <p><b>Web Application &amp; Site Hosting</b></p> <p>Expose your self-made website and share content with others.</p>	 <p><b>Software development</b></p> <p>Get support for the whole software lifecycle: issue tracking, version control, continuous integration and deployment, repository management, and others.</p>	 <p><b>Monitoring Solutions</b></p> <p>Add analytics to your website, get insight into your application performance and identify operational problems with no hassle.</p>

# Service presentation

The screenshot shows three service cards at the top. Below them is a larger card for 'WebEOS - Websites backed by EOS' with a 'Try out' button and a 'Recommended for' section. Below that is a card for 'PaaS - Platform-as-a-Service, Application Hosting' with a 'Try out' button and a 'Recommended for' section. Arrows point to the 'Try out' button, the 'Recommended for' text, and the 'More information' link in the WebEOS card.

**Web Application & Site Hosting**  
Expose your self-made website and share content with others.

**Software development**  
Get support for the whole software lifecycle: issue tracking, version control, continuous integration and deployment, repository management, and others.

**Monitoring Solutions**  
Add analytics to your website, get insight into your application performance and identify operational problems with no hassle.

**WebEOS - Websites backed by EOS** [Try out](#)

**Recommended for:** Lightweight official and personal websites, EOS content publishing. Easiest choice for those using EOS for professional activities and wanting to share online their results with others.

**Technical proficiency:** **medium**

[More information](#)

**PaaS - Platform-as-a-Service, Application Hosting** [Try out](#)

**Recommended for:** Software Teams to deploy and host their self-made software

**Technical proficiency:** **advanced**

[More information](#)

- Snap descriptions and recommendations: **for whom** and **for what**
- “More information” links point to the documentation
- “Try out” buttons point to the resource creation

# Common workflows – site creation

CERN Accelerating science

Signed in as: awardzin (CERN) Sign out Directory

Web Services Portal

Create ▾

- WebEOS site
- Drupal site
- PaaS project
- Application from a catalogue

My Sites Help ▾

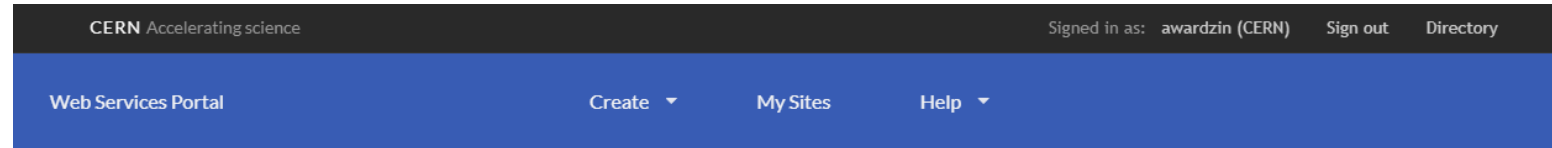
## Web Tools and Services

Find applications and services suitable for your use case.

The screenshot displays a user interface for the CERN Web Services Portal. At the top, there is a navigation bar with the CERN logo and the text 'Accelerating science'. On the right side of the navigation bar, it shows the user is signed in as 'awardzin (CERN)' with options for 'Sign out' and 'Directory'. Below the navigation bar, the main content area is titled 'Web Tools and Services'. A 'Create' dropdown menu is open, showing four options: 'WebEOS site', 'Drupal site', 'PaaS project', and 'Application from a catalogue'. The main content area features a central text prompt: 'Find applications and services suitable for your use case.' surrounded by various icons representing different services and tools, such as a computer monitor, gears, a lightbulb, a smartphone, a laptop, and a bar chart.



# Common workflows – site creation



## Creating a WebEOS site

You're minutes away from getting your site up and running.

1. WebEOS sites have their content stored on EOS. Share the EOS location of your choice with user a : `wwwEOS` via the [cernbox web interface](#).

See how: [for personal sites](#) , [for project sites](#)

2. Create `index.html` file in the EOS location. [See example](#)

3. Fill in the form below and let us do the magic

[Our recommendations for choosing a site name and category](#)

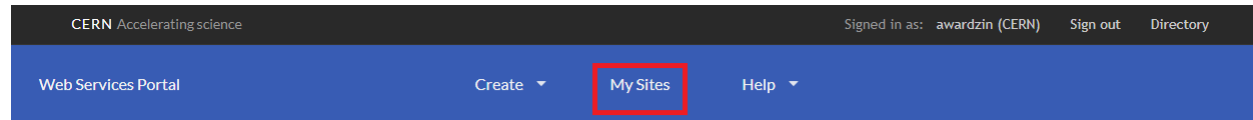
Site's path is required

I have read and agreed to the [CERN Computing Rules](#) and taken into account the [design guidelines](#) for websites and the [website lifecycle policy](#).

Create

# Common workflows – site management

- site type, ownership and name filters for quick site identification



## My sites

All sites	Filter...	
Sites I own	loris	PaaS ⚙
Sites I manage	test-aw-paas-okd4	PaaS ⚙
All	webservices-portal	PaaS ⚙
	awardzin	WebEOS ⚙
	nxcals-docs	WebEOS ⚙
	portal-demo ←	WebEOS ⚙ ←
	test-aw-1	WebEOS ⚙
	test-aw-3	WebEOS ⚙
	test-aw-cc7	WebEOS ⚙
	webeos-documentation	WebEOS ⚙
	webeos-documentation-preview	WebEOS ⚙
	webframeworks-docs	WebEOS ⚙
	another-drupal-site	Drupal ⚙
	drupal-new-ola	Drupal ⚙
	my-drupal-ws	Drupal ⚙

# Common workflows – site management



## Configuration of portal-demo

General		Website management	
Name	portal-demo	Owner*	<input type="text" value="awardzin"/>
Created on	3/4/2022, 4:36:28 PM	Administrator group	<input type="text" value="web-services-portal-admins"/>
Category*	<input type="text" value="Official - reassigned when owner leaves"/>	<a href="#">Add users to the admin group via the Groups Portal</a>	
Description*	<input type="text" value="Demo webEOS site"/>		
		<input type="button" value="Save"/> <input type="button" value="Delete"/>	
Served From			
Site URL	<input type="text" value="portal-demo"/>	<input type="text" value=".web.cern.ch"/>	
EOS Path	<input type="text" value="/eos/user/a/awardzin/www"/>		
Site Access		Advanced	
Guest Access	<input type="checkbox"/>	Directory Browsing	<a href="#">See how to configure</a>
<p>Site is accessible only to user groups defined explicitly in the <a href="#">Application Portal</a>. These are set by default to all CERN account holders and EduGAIN users, but can be easily changed.</p> <p><a href="#">Learn More</a></p>		CGI Execution	<a href="#">See how to configure</a>
Use .htaccess files	<input type="checkbox"/>	Advanced Access Control	<a href="#">See how to configure</a>
Allowed web crawlers	<input type="text" value="Only CERN Search"/>	Troubleshooting	<a href="#">View Site Logs</a>
		Archive Site	<input type="checkbox"/>
		<a href="#">All about WebEOS site configuration</a>	
		<input type="button" value="Save"/>	

# Portal Goals

- Single point of entry
- Expose all centrally provided web services
- Simplify websites creation and management:
  - full management of webEOS and Drupal sites
- Leverage the OKD4 console interface:
  - for PaaS and other advanced use cases

# Staged roll-out

- Initiated in September 2021
- Gradual deployment of new features - coexistence with the old portal
- New portal reaching maturity
- Replacement of the old portal this summer

# Coming next

- GitLab Pages creation and management
- Integration with central Web Analytics - Matomo
- Sites search
- Provisioning of webEOS sites on centrally managed EOS area
- Centralized documentation

# Useful links

- The new portal is available at <https://webservices-portal.web.cern.ch>
- Documentation is available under the “Help” menu:
  - <https://webeos.docs.cern.ch/>
  - <https://paas.docs.cern.ch/>
  - <https://drupal-community.web.cern.ch/>
- We welcome your feedback at [web.support@cern.ch](mailto:web.support@cern.ch)