# Contents

1. Main Page .................................................................................................................. 2  
2. Admin manual ............................................................................................................. 5  
3. Announcement/Log4Shell ............................................................................................ 5  
4. BlueSpice 4 .................................................................................................................. 8  
5. Community .................................................................................................................... 8  
6. Content organization .................................................................................................... 9  
7. Create pages ................................................................................................................ 9  
9. Quality assurance .......................................................................................................... 15  
10. Setup: Installation Guide/Security Patches 3.2.8 ..................................................... 16  
11. Setup: Portal ............................................................................................................... 16  
12. Setup: Release History ............................................................................................... 18  
13. Templates download/Risk management .................................................................... 21  
14. Tutorials ..................................................................................................................... 23  
15. User manual .............................................................................................................. 28
Important! A critical security vulnerability of the log4j Java library has been reported. After an initial assessment, current versions of BlueSpice are not affected by this issue. In older installations, the search components could be affected. You can find our detailed vulnerability assessment here.

Additional Info: How to apply the latest MediaWiki security patch to BlueSpice 3.2.8.

News

BlueSpice 4

Release history

Templates download/Risk management

Latest patch release: 3.2.8 (15 December 2021)

New! Risk management templates

Users

BlueSpice is a comfortable and easy to learn software to manage your (company) knowledge. We provide a lot of tools for editors, authors and readers.
First steps

- Creating content
- Organizing content
- Quality assurance

- Video-Tutorials
- User manual
- Semantic MediaWiki basics

Admins & Developers

BlueSpice has a lot of options to create and optimize your wiki. For example you can manage your wiki with our role based permission management.

Quick links

- Setup and Installation guide
- Admin manual

Community

We plan to create a portal where our community can share their ideas around BlueSpice. In the meantime, check out how to stay in touch.
BlueSpice free

The free entry into the world of company wikis.

Ideal for self-employed, small businesses, associations, clubs and individuals.

Download for free now

BlueSpice pro

The leading open source enterprise wiki.

BlueSpice pro is the software of choice for effectively documenting, organizing, sharing, discussing and developing knowledge, information and data in a team.

Test for 30 days now
Visit our online demo

BlueSpice pro farm

The scalable solution for customers with high demands.

Available as an extension of the BlueSpice
per subscription "Self-Support" and "Standard".

More informationen ... (support@hallowelt.com)
Event

Log4j vulnerability

- https://nvd.nist.gov/vuln/detail/CVE-2021-44228
- BSI warning from 12/12/2021 (CVE-2021-44228)

Current vulnerability assessment in BlueSpice (overview)

- BlueSpice free, pro, farm:
  - Current on-premise installations => not affected
  - Older on-premise installations => version of Elasticsearch could be vulnerable
  - The Docker version => not affected
- BlueSpice Cloud => not affected

This is true for instances that we have installed. Customers have to check their part of the installation (i.e., OS, additional packages, etc.)

Detailed assessment

Current version

- Elasticsearch => not vulnerable
  https://discuss.elastic.co/t/apache-log4j2-remote-code-execution-rce-vulnerability-cve-2021-44228-esa-2021-31/291476
- Java-Server
  - Tomcat => explicit configuration of log4j is necessary. By default, log4j is not activated. We do not change this. => not vulnerable
  - Jetty => explicit configuration of jetty is necessary. By default, log4j is not activated. We do not change this. => not vulnerable
- Java Webservices
  - xhtmlrenderer => a log4j plugin exists, but is not used by our service => not vulnerable
  - VisualDiff => uses daisydiff + others. Does not use log4j => not vulnerable
  - LaTeX2png => uses the jlatexmath library. Does not use log4j => not vulnerable
- Draw.io reports that the application is not affected:
  https://twitter.com/drawio/status/1470061320066277382 => not vulnerable

Older versions of BlueSpice 3

- Elasticsearch => not vulnerable
  https://discuss.elastic.co/t/apache-log4j2-remote-code-execution-rce-vulnerability-cve-2021-44228-esa-2021-31/291476
  - Versions 6.8.9+ (released on 13th May 2020) => not vulnerable
  - Version 6.4.0 - 6.8.8: Update of Elasticsearch is recommended.
    => not vulnerable (updating the version during the next BlueSpice update is recommended)
    => vulnerable outside of BlueSpice
 Versions 6.3.x and below: Update of Elasticsearch is recommended.

  => not vulnerable (updating the version during the next BlueSpice update is recommended)
  => vulnerable outside of BlueSpice

Independently of the Elasticsearch version in use, BlueSpice is not vulnerable due to the setup of Elasticsearch:

- **No direct access**: BlueSpice uses Elasticsearch as an internal service. We set up Elasticsearch in such a way that there cannot be any direct access. The only way to access Elasticsearch if you are not working directly on the server is through BlueSpice, which means there is a very controlled set of access vectors. These are search queries and content which is to be indexed.

- **No logging of data**: We use log level WARN on Elasticsearch, which means no data can find its way to the logs. So there is no way an attacker can add custom information to the logs.

No pass-through of user data: All communication between BlueSpice and Elasticsearch is done user-agnostic. There is no way Elasticsearch can see which user triggers the communication. The user-agent is restricted to the BlueSpice system user.

This is true even if you are running on an older, vulnerable version of Elasticsearch. So we see no urgent action required. Nonetheless, it is recommended to update your Elasticsearch to a non-vulnerable version with the next update of BlueSpice.

If you have changed the Elasticsearch setup to a different log level or loosened the restrictions on Elasticsearch access, you have to check the setup.

**BlueSpice 2**

- Solr uses log4j => **vulnerable**
  
  More information on Mitigation is here:
  

**Inspected components in the Docker image**

The list of Docker files in the activated packages has been inspected. => **not vulnerable**

- https://security-tracker.debian.org/tracker/CVE-2021-44228

**BlueSpice Cloud**

- Swarmedit => **not affected**
- Drone => **not affected**

**Related links**

- https://access.redhat.com/security/vulnerabilities/RHSB-2021-009
BlueSpice 4

The BlueSpice 4.1 Release Candidate RC-02 is currently installed in our trial wikis.

You can already find more infos about the new version on our BlueSpice 4 Helpdesk (currently under construction).

You can request your own test system at bluespice.com

Community

Be part of the community and exchange your knowledge about wikis and BlueSpice!

Email Support

Contact us by email at support@hallowelt.com

Support forums

Sourceforge bug report
Sourceforge help forum

Newsletter

Subscribe to our newsletter. We send 1-2 mails per month.
Social Media

Contact us via Facebook
Follow us on Twitter!

YouTube

Leave a comment on our videos. We appreciate it!

Participate!

BlueSpice hackers wanted!

Content organization

Redirect to:
• Manual:Content organization

Create pages

Redirect to:
• Manual:Create pages

1 Manual:Semantic MediaWiki

A quality version of this page, approved on 22 December 2021, was based off this revision.

Contents

1 Scope and terminology .................................................................................................................. 11
2 Define properties ......................................................................................................................... 14
3 Create a template ....................................................................................................................... 14
4 Create a form .............................................................................................................................. 14
5 Assign a category ....................................................................................................................... 15
Scope and terminology

Semantic MediaWiki (SMW) is a MediaWiki extension that enables you to define and query data on a wiki page.

The following steps are usually taken to work with data-based content in your wiki:

1. **Define properties:** Properties determine which values can be queried in the wiki.
2. **Create a template:** This creates the output format of the data set on the wiki pages.
3. **Create a form:** Using this form, Wiki users can comfortably enter their data.
4. **Assign a category:** Each page that contains a semantic query is usually tagged with a category that was created for this purpose. This, in addition to the attributes, provides an important means of querying and filtering the pages. It also creates a form editing mode for the wiki pages that contain this category.
Properties

List of properties

1. Has First contact of type Date (0 uses)
2. Has contact person of type Text (0 uses)
3. Has location of type Text (0 uses)

Semantic properties

Template

<table>
<thead>
<tr>
<th>Location</th>
<th>Regensburg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
<td>Jane Doe</td>
</tr>
<tr>
<td>First contact</td>
<td>2020/12/21</td>
</tr>
</tbody>
</table>

Hallo Welt! was founded to make the technology and concept
Since 2007 Hallo Welt! builds collaborative platforms of knowl online documentation and quality management.
Form

Location: Regensburg
Contact person: Jane Doe
First contact: 21/12/2020

Free text:
Hallo Welt! was founded to make the technology and concept concept concepts
Since 2007 Hallo Welt builds collaborative platforms of knowledge management, online documentation and quality management.

Data entry form

Hallo Welt GmbH

Location: Regensburg
Contact: Jane Doe
First contact: 2020/12/21

Category to organize data
Define properties

To make information available as data on a wiki page, we create so-called properties. For example, if we want to semantically record customer data, we create a wiki page for each customer. We collect customer data such as location on every customer page. To do this, we create a property that records the location of the customer.

```
[[Has location::Regensburg]]
```

Afterwards I can list all customers at a certain location or all customers with their associated locations in the wiki.

Create a template

Since we often want to display several such properties and their values on one page at the same time, we format a special area that clearly shows the collected page attributes. This requires a (data) template, which can then be used on any wiki page.

Create a form

To support our users with data entry tasks, we create an input form. The input form is shown when users switch to the edit mode of a wiki page that has the semantic template included.
Assign a category

Wiki pages that use semantic templates are tagged with a category. This category enables the assignment of the input form to the wiki page. The category is also used to query the data collected via the template and display it anywhere in the wiki.

Example

On the following pages, we will create an example that collects and displays customer data in the wiki.

**Example: Collect customer data**

Quality assurance

**Quality**

Automate the life cycle of your information. Your wiki will notify everyone at the right time.

Quality management

- CategoryCheck
- Create a review
- Expiry
- Page approvals (Acceptance)
- Page assignments
- Quality management
- Quality management overview page
- Read confirmation
- Redirects
- Review workflow
- Setting reminders
- WikiExplorer

Maintenance

- About maintenance
- Extended file list
- Special pages
- Special pages filter
Setup:Installation Guide/Security Patches 3.2.8

A quality version of this page, approved on 21 December 2021, was based off this revision.

Instructions on this page only apply to BlueSpice 3.2.8. They will become obsolete once BlueSpice 3.2.9 is published!

Applying security patches from MediaWiki 1.35.5 to BlueSpice 3

Recent security fixes to MediaWiki 1.35 have been backported to MediaWiki 1.31, which is the base of BlueSpice 3.2. The patches are available for download on SourceForge.

The following instructions are based on Linux installations. But they can be executed in the same way on a Windows system using an appropriate shell, like git bash, cygwin and similar.

Given `<bluespice>` is the installation path of the BlueSpice wiki application, you can apply the patches like this:

```bash
cd <bluespice>/bluespice
wget https://sourceforge.net/projects/bluespice/files/BlueSpice-3.2.8-MW1.35.5-fixes.tar.gz
unzip BlueSpice-3.2.8-MW1.35.5-fixes.tar.gz
cd ..
bash _bluespice/pre-autoload-dump.d/99-apply_patches.sh
```

After a successful run, the output should be like this:

```
Patching: includes/actions/RollbackAction.php ==> DONE!
Patching: includes/actions/Action.php ==> DONE!
Patching: includes/actions/ViewAction.php ==> DONE!
Patching: includes/specials/SpecialChangeContentModel.php ==> DONE!
Patching: includes/MediaWiki.php ==> DONE!
Patching: includes/EditPage.php ==> DONE!
Patching: extensions/VisualEditor/modules/ve-mw/ui/dialogs/ve.ui.MwMediaDialog.js ==> DONE!
```

There may be additional lines of output, based on the edition of BlueSpice.

Setup:Portal

A quality version of this page, approved on 2 August 2021, was based off this revision.
Setup

Get started with BlueSpice 3.2 now. Find everything related to system requirements and installation options here.

BlueSpice 3.2

About this version
Operating Manual

Release notes

View the release notes of the latest version

Release history

Interested in development?
View our release history!

System requirements
Check if your system is ready to go

Download

Get the latest version of BlueSpice

Installation & upgrade

View our detailed installation guide

Release history

A quality version of this page, approved on 15 December 2021, was based off this revision.

Note: Support for BlueSpice 3.x ends on March 15, 2023.

Since 2010 there have been 21 releases of BlueSpice. BlueSpice replaced the product HalloWiki at that time. BlueSpice was initially a collection of extensions that could be extended by individual software packages. In 2015, all existing extensions and individual modules were combined in one distribution.\[1\] Delivering BlueSpice together with MediaWiki was the next logical step.

The versioning of BlueSpice follows the Semantic Versioning Specification at semver.org.

<table>
<thead>
<tr>
<th>Major Release</th>
<th>Version</th>
<th>Publishing Date</th>
<th>Pages</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.2.8</td>
<td>2021-12-15</td>
<td>Release Notes</td>
<td>Patch release</td>
</tr>
<tr>
<td></td>
<td>3.2.7</td>
<td>2021-11-19</td>
<td>Release Notes</td>
<td>Patch release</td>
</tr>
<tr>
<td>Version</td>
<td>Date</td>
<td>Notes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------</td>
<td>------------</td>
<td>------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.13</td>
<td>2020-12-11</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.12</td>
<td>2020-11-13</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.11</td>
<td>2020-10-08</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.10</td>
<td>2020-09-10</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.9</td>
<td>2020-08-14</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.8</td>
<td>2020-07-09</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.7</td>
<td>2020-06-10</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.6</td>
<td>2020-05-14</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.5</td>
<td>2020-04-15</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.4</td>
<td>2020-03-10</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.3</td>
<td>2020-02-12</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.2</td>
<td>2020-01-13</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.1.1</td>
<td>2019-11-14</td>
<td>Patch release</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Description:**

- Review workflow template manager simplifies work with workflow presets, review workflow step type "groupvote" allows multiple users to cast a vote on a single workflow step, statistics infrastructure to collect snapshot data over time, anonymous books, book chapter paging elements, online status markers on user information flyouts, various performance improvements.

- Additional changes to extensions:
  - *EditNotify* and *BlueSpiceEditNotifyConnector* have been removed. The functionality is now included in *BlueSpiceEchoConnector*.
  - *LDAPSyncAll* has been added (in deactivated state).
<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Description, Release Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>2019-09-19</td>
<td>Notable changes: Revised title bar and navigation (subpages, discussion pages, categories, revision status), UX enhancements, full screen mode, improved search scoring, enhanced table formatting and font colors, improved document embedding, support for NGINX web server, performance enhancements, improved screen reader support, delivery of Semantic MediaWiki 3.0, release of BlueSpice repositories, public docker image for BlueSpice free</td>
</tr>
<tr>
<td>3.0.1</td>
<td>2019-01-17</td>
<td>Patch release, Privacy center</td>
</tr>
<tr>
<td>3.0</td>
<td>2018-10-17</td>
<td>Major release</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Notable changes: Social: an activity, communication and interaction layer, Extended Search: based on ElasticSearch, Responsive skin &quot;Calumma&quot; supports mobile view and touch interaction, Graphical list: new interface element for better usability, MediaWiki VisualEditor: native support for wikitext, Role-based permissions: simplifies rights configuration, reworked authentication stack: LDAP and SAML authentication</td>
</tr>
<tr>
<td>2.27.3</td>
<td>2018-04-18</td>
<td>Patch release</td>
</tr>
<tr>
<td>2.27.2</td>
<td>2017-07-20</td>
<td>Updated Visual Editor, Insert templates function, filtering of all special pages, revised permission manager with new mouse-over function, daily or weekly combined notifications, inserting signatures, integration and visualization of dynamic maps</td>
</tr>
<tr>
<td>2.27.1</td>
<td>2017-04-06</td>
<td>ExtendedFileList, CategoryManager, Logged Reviews, Review with semantic properties</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PageAssignments, Showtime, Namespace-specific notifications, Disable users</td>
</tr>
<tr>
<td>BlueSpice 2</td>
<td>2.27.0</td>
<td>2016-11-09</td>
</tr>
<tr>
<td>-----------</td>
<td>--------</td>
<td>------------</td>
</tr>
<tr>
<td>2.23.3</td>
<td>2016-05-31</td>
<td>Description, Release Notes</td>
</tr>
<tr>
<td>2.23.2</td>
<td>2015-11-30</td>
<td>Description, Release Notes</td>
</tr>
<tr>
<td>2.23.1</td>
<td>2015-06-25</td>
<td>Description, Release Notes</td>
</tr>
<tr>
<td>2.23.0</td>
<td>2014-12-09</td>
<td>Description, Release Notes</td>
</tr>
<tr>
<td>2.22.2</td>
<td>2014-05-08</td>
<td>Release Notes</td>
</tr>
<tr>
<td>2.22.1</td>
<td>2014-02-13</td>
<td>Release Notes</td>
</tr>
<tr>
<td>2.22.0</td>
<td>2013-11-27</td>
<td>Release Notes</td>
</tr>
<tr>
<td>BlueSpice 1</td>
<td>1.21.0</td>
<td>2013-06-12</td>
</tr>
<tr>
<td></td>
<td>1.20.1</td>
<td>2013-01-17</td>
</tr>
<tr>
<td></td>
<td>1.20.0</td>
<td>2012-12-21</td>
</tr>
<tr>
<td></td>
<td>1.1.1</td>
<td>2012-04-05</td>
</tr>
<tr>
<td></td>
<td>1.1</td>
<td>2012-03-15</td>
</tr>
<tr>
<td></td>
<td>1.0.1</td>
<td>2011-09-07</td>
</tr>
<tr>
<td></td>
<td>basic</td>
<td>2010-11-17</td>
</tr>
</tbody>
</table>

1. † Richard Heigl: A new model for BlueSpice, BlueSpice Blog, February 3, 2015
This document was created with BlueSpice

Templates download/Risk management

This template set supports users who want to build and maintain a risk registry in the wiki. In addition to creating pages for risk planning, incidents can also be reported and (optionally) associated with existing risk entries.

You acquire the set directly via our sales department.

Included templates

This set contains the following templates:

- **Risk matrix:**
  - Template that is embedded on all risk-related pages. A collapsible risk matrix helps to choose the appropriate risk factor.

- **Risk entry:**
  - Form to create a new risk entry
  - Template for risk entries
  - Risk registry that lists all documented risks

- **Incident report:**
  - Form to create a new incident report. Optionally, an incident can be associated with known risks.
  - Incident report template
  - Incident registry that lists all documented incidents
Import der Vorlage

Detailed instructions for importing and using the template set are included in the archive file (.zip) as a PDF.

Screenshots

Adjustable risk matrix

Risk entry

Risk registry

Form

Incident report

Incident register

Tutorials
## Contents

1 Tutorials ................................................................. 25
  1.1 Basics .............................................................. 25
  1.2 Quality Management ........................................ 27
  1.3 Administration ................................................ 28
  1.4 Semantic MediaWiki ........................................... 28
Tutorials

Note: All videos open directly in YouTube.

Basics

BlueSpice 3.1
Menus and navigation

BlueSpice 3.1
Personalization

BlueSpice 3.1
Using the search

BlueSpice 3.1
Creating a page
Quality Management

BlueSpice 3.1
Renaming and moving a page

BlueSpice 3.1
Deleting a page

BlueSpice 3.1
Page assignments

BlueSpice 3.1
Reminders
Administration

Semantic MediaWiki

Overview of Semantic MediaWiki

User manual

Redirect to: