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Reference:BlueSpiceExtendedStatistics

Extension\ BlueSpiceExtendedStatistics

Overview			
Description:	bs-statistics-desc		
State:	stable	Dependency:	BlueSpice
Developer:	HalloWelt	License:	GPL-3.0-onlyProperty "BSExtensionInfoLicense" (as page type) with input value "</br>GPL-3.0-only" contains invalid characters or is incomplete and therefore can cause unexpected results during a query or annotation process.
Type:	BlueSpice	Category:	Reporting
Edition:	BlueSpice pro, BlueSpice Farm, BlueSpice Cloud, BlueSpice free (deactivated)		
View help page			

Features

ExtendedStatistics provides an analytic view of many relevant parameters on the wiki, providing wiki administrators better insight into the usage of the wiki.

ExtendedStatistics can be accessed from the page *Special:ExtendedStatistics*.

It offers analysis of many aspects of wiki, like:

- Number of users.
- Number of pages.
- Edits per user.
- Search queries and more.

This data can be filtered:

- By defining the period (from and to date).
- Granulation (interval to show on diagram - day, week, month, year).
- Type (absolute, aggregate and list modes).
- Additional filters depending of the data being represented.

Some aspects of this extension can be configured with the [Config manager](#), under *ExtendedStatistics*. Here, wiki administrators can configure:

- the users to exclude from statistical analysis
- the maximum number of interval steps

Technical Information

This information applies to BlueSpice 3 . Technical details for BlueSpice cloud can differ in some cases.

Requirements

MediaWiki: 1.31
BlueSpiceExtendedSearch: 3.2

- BlueSpiceFoundation: 3.2

Integrates into

- BlueSpiceExtendedSearch
- BlueSpiceExtendedStatistics

Special pages

- ExtendedStatistics
- ExtendedStatisticsSnapshots

Permissions

Name	Description	Role
extendedstatistics-viewspecialpage-aggregated	right-extendedstatistics-viewspecialpage-aggregated	admin, maintenanceadmin
statistic-viewspecialpage	right-statistic-viewspecialpage	admin, maintenanceadmin

Configuration

Name	Value
StatisticsAvailableGrains	array ('Y' => 'bs-statistics-year', 'm' => 'bs-statistics-month', 'W' => 'bs-statistics-week', 'd' => 'bs-statistics-day',)

Name	Value
StatisticsExcludeUsers	array (0 => 'WikiSysop',)
StatisticsMaxNumberOfIntervals	366

API Modules

- bs-statistics-available-diagrams-store
- bs-statistics-search-options-store
- bs-statistics-tasks

Hooks

- [BSUsageTrackerRegisterCollectors](#)
- [BeforePageDisplay](#)
- [LoadExtensionSchemaUpdates](#)
- [SkinTemplateOutputPageBeforeExec](#)

Extended statistics

A [quality version](#) of this page, [approved](#) on *6 August 2021*, was based off this revision.

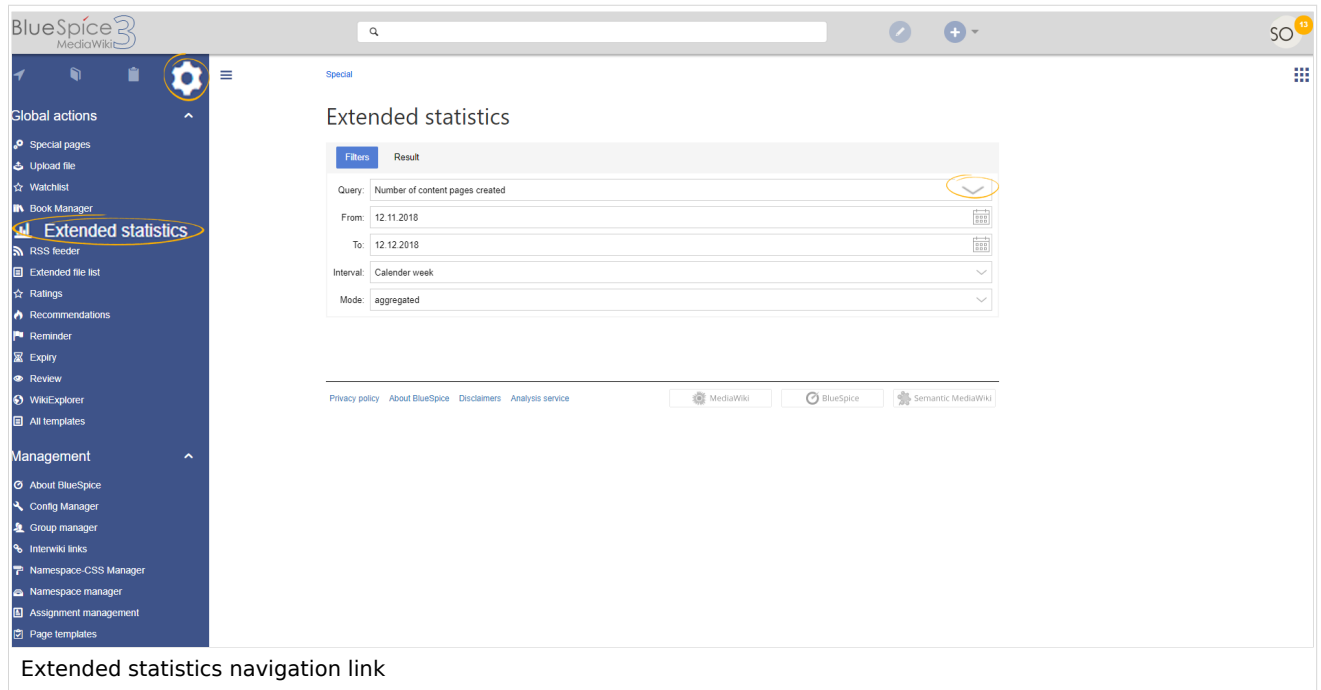
The extension **ExtendedStatistics** provides an analytic view of many relevant parameters on the wiki, providing wiki administrators better insight into the functioning of the wiki.

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Where to find Extended statistics

The navigation link *Extended statistics* in the tab Global actions loads the page *Special:ExtendedStatistics*.



Choosing a data source

ExtendedStatistics can show data for multiple aspects of the wiki. Available data sources are:

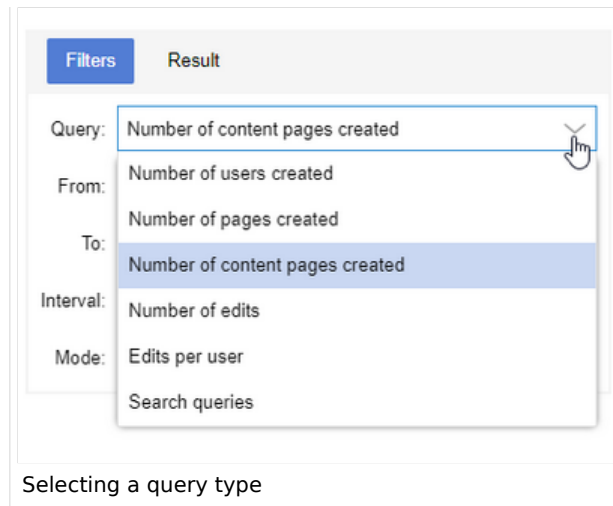
- *Number of users*: All the users that registered in the period chosen
- *Number of pages*: All pages created in the period chosen.
- *Number of content pages*: All articles in content namespaces created in the period chosen
- *Number of edits*: All edits carried out in the period chosen
- *Edits per user*: Number of edits per user in the period chosen
- *Search queries*: All terms users searched for in the period chosen. Only available if [BlueSpiceExtendedSearch](#) is installed.

Choosing filters

General filters:

- From - Date from which to display data
- To - Date to which to display data

Some data sources may have additional filters available, like for data sources based on wiki pages, namespace filter is available.



Display settings

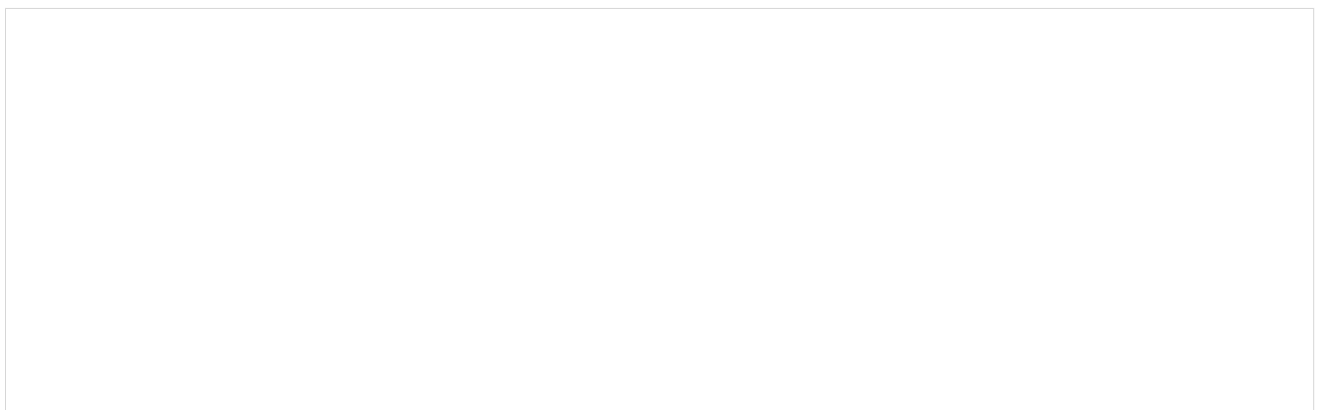
The display of the results is determined by the following settings:

- Interval - grain of the diagram - determines which time unit will be used to group the data.
- Mode - display type:
 - Absolute - shows changes in data for the given period
 - Aggregate - shows running total for the data source choosen
 - List - shows data in tabular view - only available for search statistics

Note: Depending on the selected time period, the interval has to be set accordingly. For, example if you look for data between 02.06. and 03.06. for the same year, the interval setting "Year" will not return any data. Change the interval to "Week" or "Day" to return results.

Viewing the results

Once all the filters and options are set, click on the *Results* tab to show the resulting data.



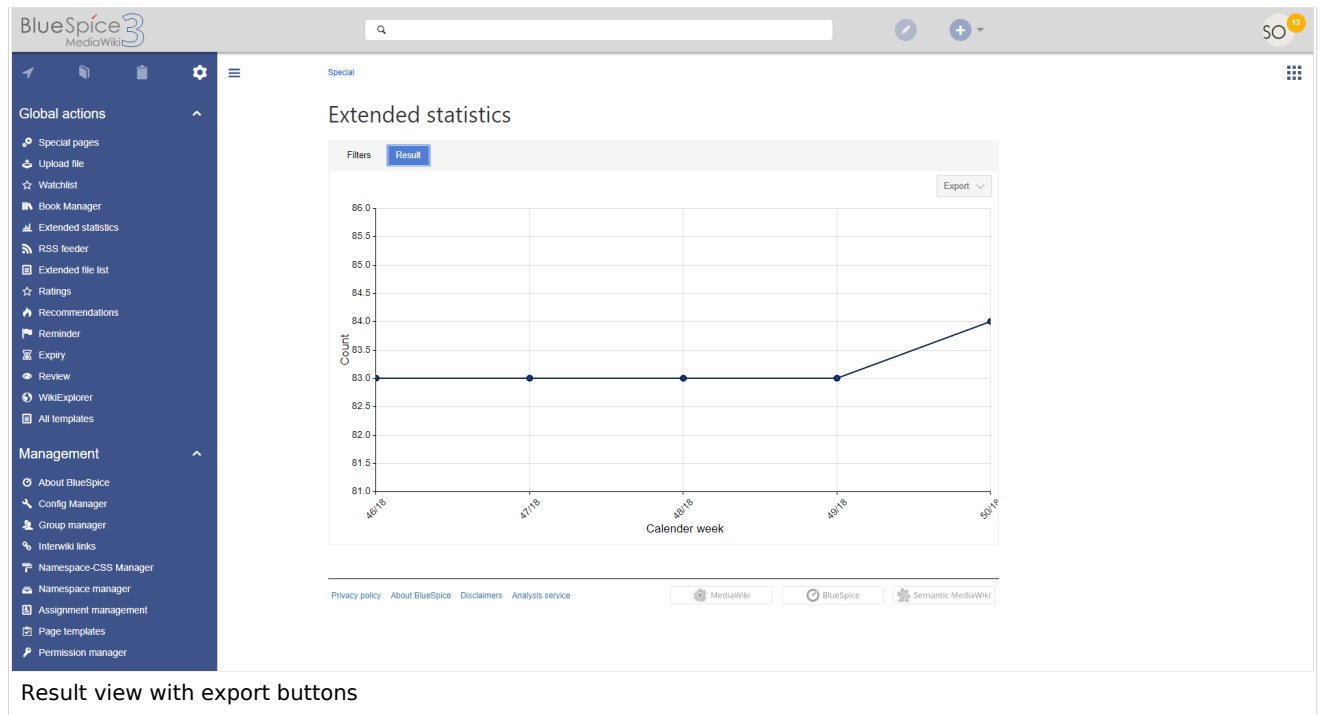


Chart export

In results view there is an *Export*-button that allows the user to export and download the currently displayed chart as SVG.

Data export

Maintenance script

A `php` maintenance script will be provided on the following location:

```
<mw-root>/extensions/BlueSpiceExtendedStatistics/maintenance/ExportCollection.php
```

Usage

This script must be called on the command line of the server. It takes the path of a configuration file in `JSON` format.

Example

```
php <mw-root>/extensions/BlueSpiceExtendedStatistics/maintenance/ExportCollection.php \
--config=<path-to-file>/myConfig.json \
--exportto=/tmp/myExport.xslx
```

Params

- `--config` - path to config file

- `--exportto` - path to the file, the data gets exportet to. Note that vaiable file formats are `xsl`, `xslx` and `csv`

Scirpt configuration

The script configuration will take the same parameters as the API, which is used on Special:ExtendedStatistics.

Params

- `aggregate`
- `filter`

Example contents

The following examples show the content of the JSON file provided to `--config`.

"Page views" aggregated by date over 1 year

```
{
  "aggregate": [
    {
      "property": "timestampcreated",
      "type": "daily",
      "targets": [
        "pagetitle",
        "numberhits",
        "numberhitsaggregated"
      ]
    }
  ],
  "filter": [
    {
      "property": "type",
      "type": "string",
      "value": "hitcounter",
      "comparison": "eq"
    },
    {
      "property": "timestampcreated",
      "type": "date",
      "value": "20200707120000",
      "comparison": "gt"
    },
    {
      "property": "timestampcreated",
      "type": "date",
      "value": "20210707120000",
      "comparison": "lt"
    }
  ]
}
```

"Review by namespaces" aggregated by namespace over 1 year:

```
{
  "aggregate": [
    {
      "property": "namespacename",
      "type": "string",
```

```
        "targets": [
            "ongoingpages",
            "expiredpages",
            "notrunningpages",
            "ongoingpagesaggregated",
            "expiredpagesaggregated",
            "notrunningpagesaggregated"
        ]
    },
    "filter": [
        {
            "property": "type",
            "type": "string",
            "value": "reviewedpages-ns",
            "comparison": "eq"
        },
        {
            "property": "timestampcreated",
            "type": "date",
            "value": "20200707120000",
            "comparison": "gt"
        },
        {
            "property": "timestampcreated",
            "type": "date",
            "value": "20210707120000",
            "comparison": "lt"
        }
    ]
}
```

Configuration

In the [Config manager](#), you can change the following settings:

- **Exclude these users:** Some user groups, like WikiSysop can skew the statistics, for example the statistics for search queries or because they complete automated maintenance tasks. These types of user groups can be excluded from the statistical results.
- **Maximum number of interval steps:** Sets the size of the x-axis for the results. For a few days, select the interval *Day* or *Calendar Week*, for periods over one year, select *Year* or *Month*. If you do not get any results for your query, try to adjust the interval accordingly.

Related info

- [Reference:BlueSpiceExtendedStatistics](#)