Setup:Installation Guide/Advanced/Mathoid

Mathoid is a nodjs service which takes various forms of math input and converts it to MathML + SVG or PNG output.

Important! Beginning with BlueSpice 4.x, Mathoid is no longer distributed and has to installed separately.

Download:
https://buildservice.bluespice.com/webservices/REL1_39-4.3.x/mathoid.tar.gz or https://buildservice.bluespice.com/webservices/REL1_39-4.3.x/mathoid.zip

If mathematical formulas are not rendered in your wiki, please check that `extensions/Math/webservices/mathoid.tar.gz` is deployed in the correct folder:

- Linux: `/opt/mathoid`
- Windows: `C:\BlueSpice\bin\mathoid`

PDF-Export integration
The PDF-Export does not support SVGs at the moment. Therefore the SVG needs to be converted into a PNG when embedded into a PDF. This is done automatically, but requires `$wgSVGConverter` to be set up properly. It is recommended to use `rsvg` as a converter. On Debian based linux environments it can be installed with

```
apt install librsvg2-bin
```

In the `LocalSettings.php` file it must be configured with

```
$GLOBALS['wgSVGConverter'] = 'rsvg';
```

Next step

If you have completed all steps successfully and want to install BlueSpice pro, proceed to the next step PhantomJS