

# ArtfulBits Push Message

## for Microsoft® SharePoint®



## Install Guide

System Requirements .....	1
Preparation for Installation.....	2
Installation .....	2
License Management.....	4
Remarks .....	7

### System Requirements

<b>Operating Systems:</b>	<p>Microsoft Windows Server 2008, 2008 R2          Microsoft Windows Server 2012, 2012 R2          Microsoft Windows Server 2016          Microsoft Windows Server 2019</p>
<b>Servers:</b>	<p>SharePoint Release:</p> <ul style="list-style-type: none"> <li>➤ SharePoint Foundation 2010 or SharePoint Server 2010</li> <li>➤ SharePoint Foundation 2013 or SharePoint Server 2013</li> <li>➤ SharePoint Server 2016 and SharePoint Enterprise 2016</li> </ul> <p><i>Note: This product is not compatible with previous versions of SharePoint</i></p>
<b>Client:</b>	<ul style="list-style-type: none"> <li>➤ Any browser</li> </ul>

## Preparation for Installation

Before installation, please, check that your target server meets ArtfulBits Push Message system requirements (see above). Also, it is recommended to install ArtfulBits License Manager before (if it is not installed).

## Installation

1. Download ArtfulBits Push Message installation package from ArtfulBits website, unpack files, run "Setup.exe" and go through the installation process.



**Note:** You must be the SharePoint Farm Administrator and following MS Windows services should be running:

- > Windows SharePoint Services Administration
  - > Windows SharePoint Services Timer
2. Navigate to "Site Collection Features" and activate "ArtfulBits Push Message Web Part" feature.
  3. Create the new site that includes Push Message Web Part and all the supporting infrastructure:
    - a. Go to "Site Actions"
    - b. Select "New Site"
    - c. Select "ArtfulBits Push Web Part" site template
    - d. Fill in "site name" and "site url" fields
    - e. Click "Create"

Follow the steps below to install and configure **Push Message Services**:

1. Copy “/External” folder inside the ArtfulBits Push Message installation package to any safe location. Files inside this folder will be used by Windows Services.
  2. Open “/External /WindowsService.exe.config” and configure the following values:
    - a. Adress to the new site created on the previous step:  
<add key="WebUrl" value="**http://ServerName/SiteName**">
    - b. How often the Push Service should execute Push Sending Job (every 1 minute by default)  
<add key="RunInterval" value="**1**"/>
    - c. When an external mobile device sends credentials along with the token, use the following domain to authenticate them:  
<add key="Domain" value="**artfulbits.com**"/>
  3. Run “/External /install.bat”.
- Note:** For SharePoint 2010 you need to install .NET Framework 4.0 first. For SharePoint 2013 you may need to run this script as administrator.
4. Open Local Services Management window (Press **Win+R** and type **services.msc**)
  5. Ensure that the following services are installed successfully and running:

 WindowsPushService	Started	Automatic	Local System
 WindowsPushSharePointService	Started	Automatic	artfulbits\..

**Note:** Ensure, that “Log On As” account for WindowsPushSharePointService has full access to the SharePoint Site.

## License Management

ArtfulBits Push Message uses **Per-Farm Licensing Model** (each license is bound to single SharePoint Farm ID). For more details about licensing models please visit <https://www.sharepoint-artfulbits.com/Blog/Post/development-vs-full-license>

Product works in unlicensed mode for three days from the moment of installation. In this mode all the product features are unlocked same way as with trial license. After these three days either trial license or full license should be entered for product to function.

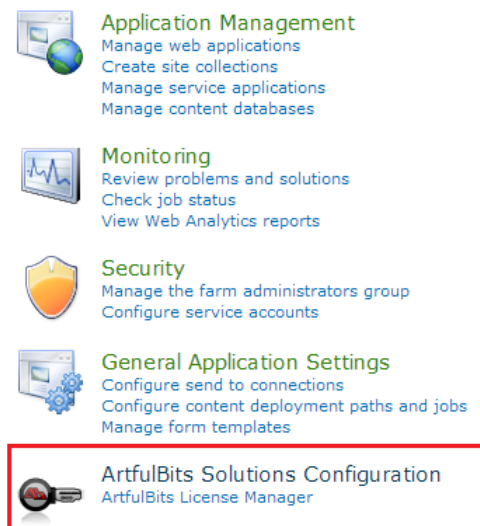
To get a Trial license navigate to:

<https://www.sharepoint-artfulbits.com/Products/push-message>

You can buy the product by the following link:

<https://www.bluesnap.com/jsp/buynow.jsp?contractId=3258226>








After ArtfulBits License Manager is installed, go to the SharePoint Central Administration page:



The screenshot displays the SharePoint Central Administration page with the following sections:

- Application Management**
  - Manage web applications
  - Create site collections
  - Manage service applications
  - Manage content databases
- Monitoring**
  - Review problems and solutions
  - Check job status
  - View Web Analytics reports
- Security**
  - Manage the farm administrators group
  - Configure service accounts
- General Application Settings**
  - Configure send to connections
  - Configure content deployment paths and jobs
  - Manage form templates
- ArtfulBits Solutions Configuration**
  - ArtfulBits License Manager

This page shows all ArtfulBits products and their license statuses.

Product	Edition	License Status
 ArtfulBits Cascaded Lookup Column v1.38	Standard	Full license
 ArtfulBits Category Column v1.6	Evaluation	No license
 ArtfulBits Column Data Adapter v1.0	Evaluation	Trial license (Expiring in 13 day(s))
 ArtfulBits Column Permissions v1.0	Standard	Full license
 ArtfulBits Cross-Site Lookup Column v1.7	Evaluation	Trial license (Expiring in 18 day(s))
 ArtfulBits Discussion Column v1.54	Standard	Full license
 ArtfulBits Email Web Part v1.2	Evaluation	No license

Click on product name to view license details.

Product	<b>ArtfulBits Shopping Cart v1.0</b> ArtfulBits Shopping Cart
Product Edition	<b>Standard</b> Please visit following <a href="#">link</a> for product editions comparison chart.
License Status	<b>Full license</b> Product version: 1.x Note: in trial or unlicensed mode all product features are available for evaluation. After trial period license should be purchased which will determine product edition and available feature set. Please visit following <a href="#">link</a> for product editions comparison chart.
License Operations	Farm ID: <input type="text" value="5147fb79-2bb9-4994-8f96-f2bd0813ae60"/> <input type="button" value="Convert License"/> <span style="float: right;"><a href="#">Go to purchase page</a></span>

If product is not licensed you can click "Enter License" link and enter license key (trial or full) into textbox. For upgrading product edition click "Convert License" and enter new license of target product edition.

<b>License Operations</b>	Farm ID: <input type="text" value="5147fb79-2bb9-4994-8f96-f2bd0813aa60"/> <a href="#">Enter License</a> <a href="#">Get free trial license</a> <a href="#">Go to purchase page</a> <pre> 1197DFC6D9617C87DF179941CAC062C9A01926909B8BD368F63A6F7CBD1DBFFA3F2270291A45686E58 4C230EC091D04B3759E431812A6B9A046564FDE0FCC293F0D5F86C020FABE449861BCB4FBC4434CAA C20FE1B51554EBE156729D2B8ED3AD4858AD3E7E5C7AEBBA8A54817A9385D059E028E00C20BA74305 468EC2132232028765BB293A9208A0C68F04EDD72166152079A0AE3C72A72A947403FC05D4BA634DAA 6EBFC3D42259C4A5120E6B51DAD17A6EF559AC2795DCB282234EF4EC45A62D54A86A84A37B5412640 F9EC2065CF84A9DB7F659F801AEFE0202669A85410D124542C965CA0E1B3A5F5199953ED89FF60A50E4 1CE51B5FF90395C678C1588 </pre> <input type="button" value="Activate"/> <input type="button" value="Cancel"/>
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Pressing "Activate" button will verify the key and in case of verification success license status will be updated.

<b>Product Edition</b>	<b>Enterprise</b> Please visit <a href="#">following link</a> for product editions comparison chart.
<b>License Status</b>	<b>Full license</b> Note: in trial or unlicensed mode all product features are available for evaluation. After trial period license should be purchased which will determine product edition and available feature set. Please visit <a href="#">following link</a> for product editions comparison chart.

**Note:** in trial or unlicensed mode **all** product features are available for evaluation. This way you will be able to try each and every feature available in the product line which will give you good understanding of what feature set will be necessary for you and it will be easier to come up with the decision which product edition should be purchased. After trial period expiration full license should be purchased which will determine product edition and available (unlocked) feature set.

Special link informing about product expiration is shown in SharePoint pages, where ArtfulBits component is used if product is using trial license or such license is "Expired" or no license is provided at all. Clicking on this link will redirect to product license status details page.

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## Remarks

Information in this document may be outdated. Please, visit <https://sharepoint-artfulbits.com> for the latest product version.