
Bitrix: SAAS

Technical Manual

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Introduction

Bitrix Inc. allows hosting service providers to license Bitrix Intranet Portal on the SaaS (software as a service, also known as “software on demand”) terms. The service implies the use of the encoded (Zend Encoder) system version with an opportunity for subscription renewal.

This manual discusses on the technical aspects of interaction between a server hosting company and Bitrix Inc. No organizational or financial questions are touched upon; all interested parties are welcome to contact the partner relations department of Bitrix Inc. for details (partners@bitrixsoft.com).

Chapter 1.

Licensing Terms for Hosting Service Providers

Setting The Password

A partner is granted the technical permission to use Bitrix Intranet Portal (or other product) on the SaaS terms after they have settled all the organizational and financial questions with Bitrix Inc.

As soon as the permission is obtained, the partner has to specify the **Password for SaaS** in their partner's profile at <http://www.bitrixsoft.com/partners/private/index.php>. This password will be used to sign the license key renewal requests. The password can be any combination of Latin letters.

Distribution Package

A SaaS solution can be deployed on a shared server; alternatively, you may choose to install it as a Bitrix Virtual Appliance.

Ø Download the [saas_example](#) containing demo files from Bitrix web site.

The archive contains 2 files: **.config.php** and **dbconn.php**, in the **bitrix** folder.

Shared Server

Ø Unpack the product archive file, **intranet_extranet_encode_php5.tar.gz** to the destination folder.

Ø Extract **dbconn.php** from the downloaded **saas_example** to the folder **/bitrix/php_interface** - this folder should have been automatically created at the previous step.

Ø Open the file in any text editor.

Ø Edit the following parameters:

```
$DBHost = "localhost:31006"; // Database host
$DBLogin = "root"; // Database login
$DBPassword = ""; // Database password
```

```
$DBName = "bsm_demo_saas"; // Database name
```

by typing in the data to connect to your database.

Ø Save changes.

Ø Edit **.config.php** as described in the section (below) on virtual appliance configuration (see [Configuration file](#)).

Now you can continue installing the system as described in [Bitrix Intranet Portal Installation Guide](#).

Bitrix Virtual Appliance

Ø Install the virtual appliance following the instructions in the VMBitrix Deployment Manual. Perform all the required steps through selecting a new installation.

Ø Download and install **intranet_extranet_encode_php5.tar.gz** as directed by the [Bitrix Virtual Appliance Installation Guide](#).

⚠ Attention! *Never start installation before you complete the pre-installation configuration!*

Prior to installing a SaaS system, you have to edit the installation configuration file.

Configuration File

The **dbconn.php** file does not need to be edited when installing the virtual appliance. Only the **.config.php** file requires special configuration.

Ø Copy **.config.php** from the **saas_example archive** to the **/bitrix** folder created when unpacking the distribution package.

The file must contain the following declarations, but the specific wording can be changed and additions to suit your policies and business may be made:

```
<?
$bxProductConfig = array(
    "saas" => array(
        "trial" => 'Warning! This is a trial version. The trial period
expires in #DAYS# days. You can rent a fully-functional version at <a
href=" ">link</a>',
        "trial_expired" => 'The trial version has expired. This site
will be disabled irreversibly in two weeks. You can rent a fully-
functional version <a href=" ">here</a>',
        "days_before_warning" => 5,
```

```
"warning" => 'Your license expires in #DAYS# days (#RENT_DATE#).
To renew your license, <a href=" ">click here</a>. Should you have any
question, please call 11-11-11.',
"warning_expired" => 'Your license has expired on #RENT_DATE#.
Your site will be disabled in 14 days after this date. To renew your
license, <a href=" ">click here</a>. Should you have any question,
please call 11-11-11.',
"public_trial_expired" => 'The trial version has expired. This
site will be disabled irreversibly in two weeks. You can rent a fully-
functional version <a href=" ">here</a>.',
"public_warning" => 'Your license will expire in #DAYS# day(s)
(#RENT_DATE#). To renew your license, <a href=" ">click here</a>.',
"public_warning_expired" => ' Your license has expired on
#RENT_DATE#. Your site will be disabled in 14 days after this date. To
renew your license, <a href=" ">click here</a>.',
),); ?>
```

You will find the parameter details below in this document.

Ø Save changes.

Further Steps

Ø Continue installing the virtual appliance as described in the VMBitrix Deployment Manual.

Ø Save the resulting VM image for distribution to clients.

Chapter 2. Request for License Key Extension

When installing the intranet portal, a trial license is automatically requested (and granted) on the Bitrix website. At the end of the trial period, a warning will appear telling the client to renew the key. This renewal is required to continue using the encoded version of the product.

To renew the key, send a GET request to http://www.bitrixsoft.com/request_coupon.php with the additional parameters listed in the table.

Parameter	Type	Description
partner_id	number	The partner ID assigned to you at bitrixsoft.com.
site_url	string	The address of the site for which the renewal is requested, without leading http://.
period	number	The number specifying the duration of the new license period.
period_type	string	Specifies the unit in which the period is defined. Possible values: § "D" - day § "M" - month § "Y" - year § "W" - week
edition	string	Specifies the client edition. Possible value (only one): CORPORTAL_EX – Bitrix Intranet Portal: Extranet
users	number	Specifies the number of users (25 or 50).
hash	string	The request signature as returned by the following PHP call: <pre>md5(\$partner_id." ".\$site_url." ".\$period ." ".\$period_type." ".\$edition." ".\$users ." ".\$salt);</pre> here \$salt is the password you have specified in the partner's profile.
port	number	Specifies the site port; used when it is other than 80.

If your request passes verification successfully, a renewal coupon will be created for you. The coupon is automatically passed to the specified site where it is activated and enables the site functionality for the period specified in the request.

After renewal, the following message will be displayed:

OK

Trial period for site.com has been extended until 19.03.2010

Otherwise, if the request does not pass verification or an error occurs during activation, the web browser will display an error message and description. Check the data provided.

If the data is correct but the client site connection cannot be established, the system (http://www.bitrixsoft.com/request_coupon.php) will show the created coupon which must be activated manually at client site's Control Panel using the update system.

The following is an example of the renewal request:

```
http://www.bitrixsoft.com/request_coupon.php?partner_id=71203&site_url=bitrixsoft.com&port=&edition=CORPORATE_EX&period=3&period_type=D&users=25&hash=5aec582db95518f1950e03b56817b2c8
```

Chapter 3.

Personalizing your SaaS Offering

You can customize the licensed SaaS solution by redefining the system installation wizard and the demo data installation wizard.

Customization requires that you create or edit `/bitrix/.config.php` with the following contents.

```
<?
$bxProductConfig = array(
    "product_wizard" => array(
        "welcome_text" => '<h4>Thank you for choosing Bitrix Intranet
Portal!</h4> The installation wizard will check your software for
compatibility and install Bitrix Intranet Portal.<br><br>As soon as the
installation is complete, you can start using the portal.<br><br>The
SiteUpdate function will help you update your system ensuring that you
use the latest version.<br><br>You can get more information about Bitrix
Intranet Portal at <a href=" "_blank">your_site</a><br><br>Should you
have any question regarding installation, address them to the <a href="
"_blank">technical support</a>.',
        "logo" => ' ',
        "links" => "<a href=\" \" target=\"_blank\">About</a> | <a
href=\" \" target=\"_blank\">Support</a>",
    ),
    "intranet_wizard" => array(
        "welcome_text" => "This wizard will help you configure the
Portal in simple 6 steps and start working on the site content and
parameters.<br /><br /> Select the portal design, color theme and
provide the basic settings.",
        "logo" => ' ',
        "links" => "<a href=\" \">About</a> | <a href=\" \"
target=\"_blank\">Support</a>",
    ),
    "admin" => array(
        "links" => "<a href=\" \" target=\"_blank\">About</a> | <a
href=\" \" target=\"_blank\">Support</a>",
        "saas" => array(
            "trial" => 'This is a trial version. You have #DAYS# days left
to evaluate the system. You can rent a fully-functional version at <a
href=" ">link_here</a>',
            "trial_expired" => 'Your trial version has expired. This site
will be disabled irreversibly in two weeks. You can rent a fully-
functional version at <a href=" ">link_here</a>',
            "days_before_warning" => 5,
        ),
    ),
),
);
```

```

"warning" => 'Your license will expire in #DAYS# days
(#RENT_DATE#). To renew your license, <a href=" ">click here</a>. Should
you have any question, please call 11-11-11.',

"warning_expired" => 'Your license has expired on #RENT_DATE#.
Your site will be disabled in 14 days after this date. To renew your
license, <a href=" ">click here</a>. Should you have any question,
please call 11-11-11.',

"public_trial_expired" => 'The trial version has expired. This
site will be disabled irreversibly in two weeks. You can rent a fully-
functional version <a href=" ">here</a>.',

"public_warning" => 'Your license will expire in #DAYS# day(s)
(#RENT_DATE#). To renew your license, <a href=" ">click here</a>.',

"public_warning_expired" => 'Your license has expired on
#RENT_DATE#. Your site will be disabled in 14 days after this date. To
renew your license, <a href=" ">click here</a>.',

    ),
);
?>

```

This file can have the following parameters.

Parameter	Description
"product_wizard"	Specifies the installer customization parameters.
"intranet_wizard"	Specifies the demo data installer parameters.
"admin"	Specifies the Control Panel titles.
"saas"	Defines the rental (SaaS) mode messages. <ul style="list-style-type: none"> § trial - specifies the message in Control Panel showing if the trial version <i>is not</i> expired and no renewal has been done; § trial_expired - specifies the message in Control Panel showing if the trial version <i>is</i> expired and no renewal has been done; § days_before_warning – specifies the number of days before the license expires to show the warning message; § warning – specifies the warning message showing if at least one renewal has been done; § warning_expired – specifies the expire message showing if at least one renewal has been done; § public_trial_expired – the expire message in the public section showing if no renewal has been done; § public_warning – specifies the warning message showing in the public section if at least one renewal has been done; § public_warning_expired – the expire message in the public section showing if at least one renewal has been done.

Note: if a parameter does not exist, the appropriate default value is used. An empty value clears the default value.

The parameters `[saas][trial]`, `[saas][warning]`, `[saas][public_warning]` can contain the `#DAYS#` macro (specifies the days before expiration).

The parameters `[saas][warning]`, `[saas][warning_expired]`, `[saas][public_warning_expired]` can contain the `#RENT_DATE#` macro (specifies the license expiration date).

If the `$bxProductConfig` array includes the `saas` key:

- § the installer will prompt to register the product and get the trial key;
- § the installer will get the text for all messages from the `saas` array. It means that, if this array exists, it must contain all the keys defined.

Final Notes

This manual has given you technical insight of using Bitrix software on SaaS terms.

You can ask your questions at the Bitrix corporate forum:

<https://www.bitrixsoft.com/support/forum>

Should you have any difficulty using Bitrix Virtual Appliance, do not hesitate to send a request to the technical support service:

<http://www.bitrixsoft.com/support/>