Add-On Products
Resource Booking Web App

Resource Booking Web App Installation Guide

Version: 1.6.2

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CHAPTER 1.

Introduction

This document provides a detailed guide for installation and configuration of the Resource Booking Web App.

Resource Booking Web App (RBWA) allows booking meeting rooms or cars or any other resources for meetings. As it is the web application, there are no complicated specific settings for administrators. The application is rather simple in installation and configuration.

CHAPTER 2.

Installation

System requirements

You can have an overview of System requirements for RBWA by visiting this web page.

NOTE: Before installing RBWA, make sure that you have Real Time Manager Service (RTS) and Resource Central (RC) running.

System Rights

The user account, under which the Installation of RB Web Application is to be carried out, should have Local Administrative Rights. Administrative account (e.g. 'rcadmin') needs to have Read/Write Access to the folders where the RBWA is installed.

Supported devices

After RC Web Application is installed and configured, end users can use a variety of devices to get the advantage of using Resource Booking Web Application.

Supported OS and devices:

- iOS 6.x and above (iPhone 4, iPhone 5, iPad)
- Android 4.x (Android devices, i.e. Google Nexus 7)
- Windows Phone 8.x
- Windows 7, 8 (PC)

Supported browsers:

- Internet Explorer 8 and above
- Google Chrome 28.x and above
- Mozilla Firefox 14.x and above
- Safari 5.x and above

Installation scenarios

Setup solutions

Resource Booking Web Application can be hosted within the same LAN where Exchange, SQL and RC are already being hosted as well as located separately on a DMZ.

Also RBWA supports configuration where your organizational AD and Exchange are hosted within a cloud (Windows Azure AD, Office 365 services)

Example 1. Everything is hosted within the same LAN

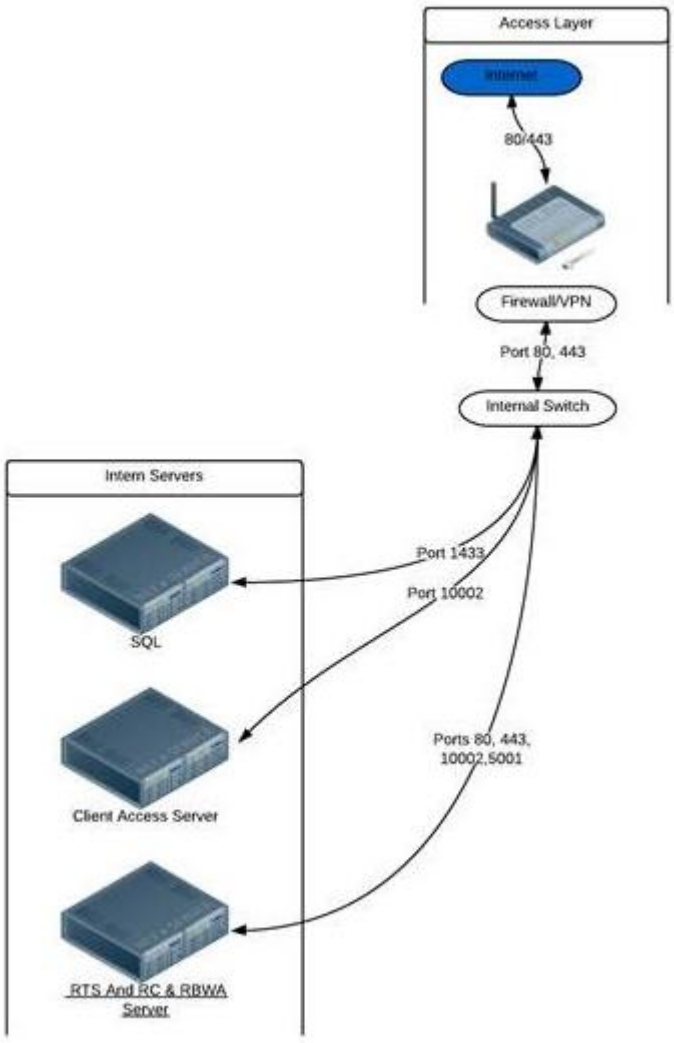


Figure 1. Everything is hosted within the same LAN

Example 2. RBWA is located on a DMZ

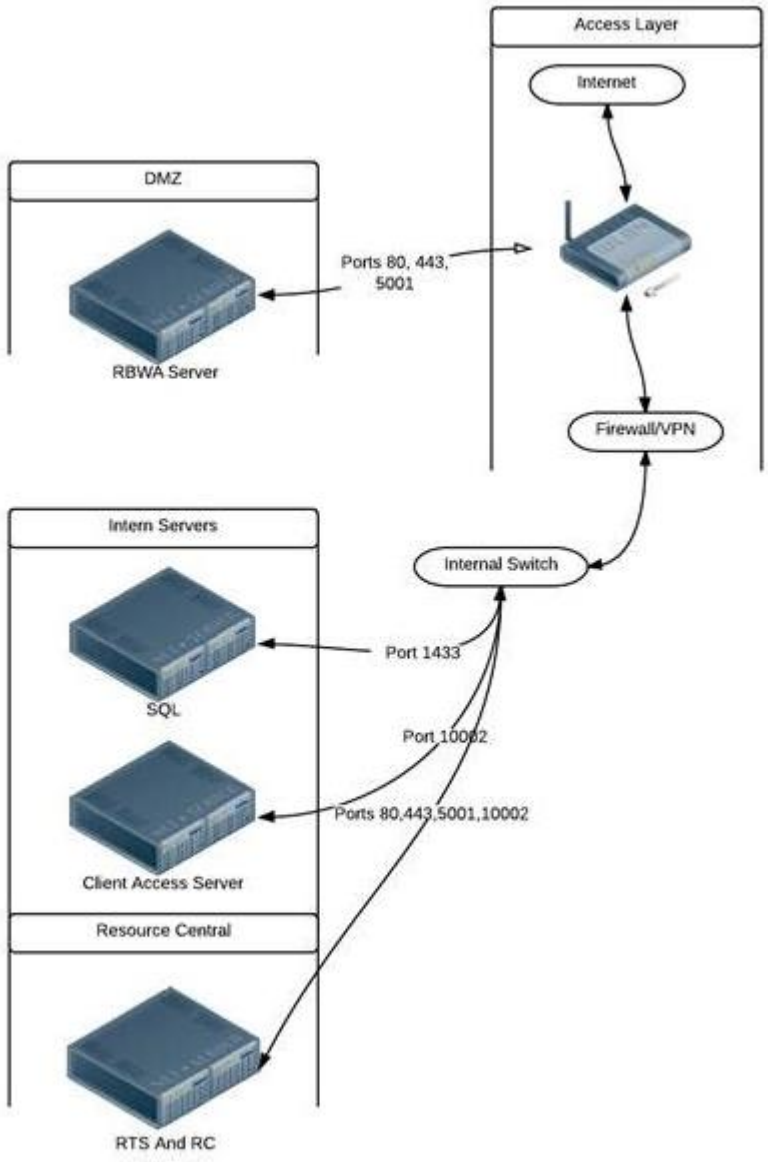


Figure 2. RBWA is located on a DMZ

Note that RBWA uses Windows Authentication to connect to Real Time Service and Active Directory so that you cannot deploy it outside the domain. In this case it could be recommended to create a separate forest for the DMZ domain and configure trusted relationships between the DMZ and the internal domain. Please check the proper documentation on this subject.

SSL support

As RBWA deals with the end users' information could be regarded as private it has been designed to support SSL to secure your web site. Check, for example, the following article to know more how to configure RBWA to use SSL: http://www.iis.net/learn/manage/configuring-security/how-to-set-up-ssl-on-iis

Firewall configuration

Before installing RBWA make sure you have ports listed below opened on your Firewall

- Port SQL is listening on. By default it is 1433 and it is opened.
- 80 or 443 port depending on whether you're going to use HTTP or HTTPs. By default they are opened.
- Port that RTS is listening on. By default is 5001.

Note that if RBWA is internet-facing for example, when it is hosted on a DMZ, exceptions for RBWA should be created on your Firewall in order to allow it to communicate with SQL and RTS.

Step by step installation

The installation process is completely typical. Right after running the setup file, you will see the Setup Wizard screen:

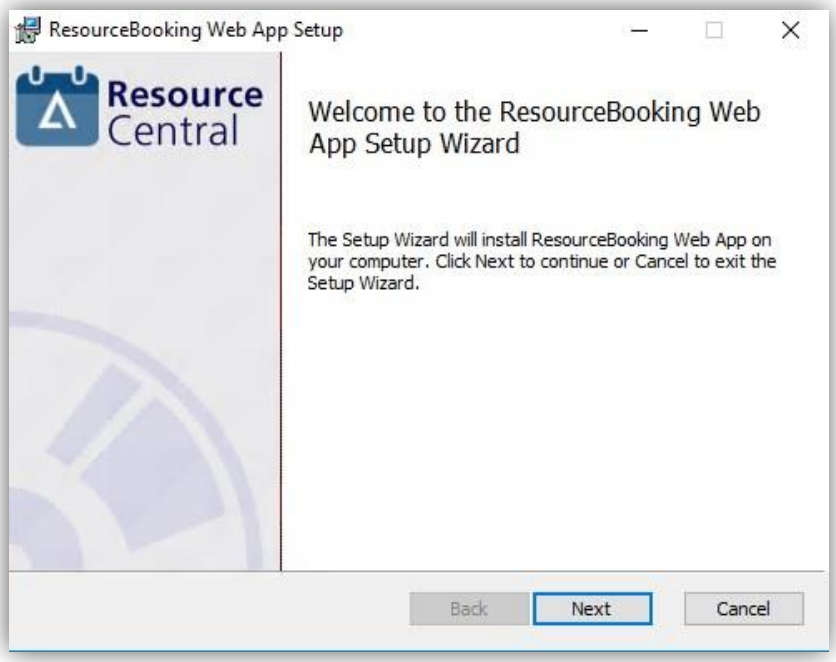


Figure 3. Setup Wizard

On the following screen, you should select type of the web site. If you do not need any specifics, you can leave it filled with default value. It will be available within ResourceBooking virtual directory on your IIS.

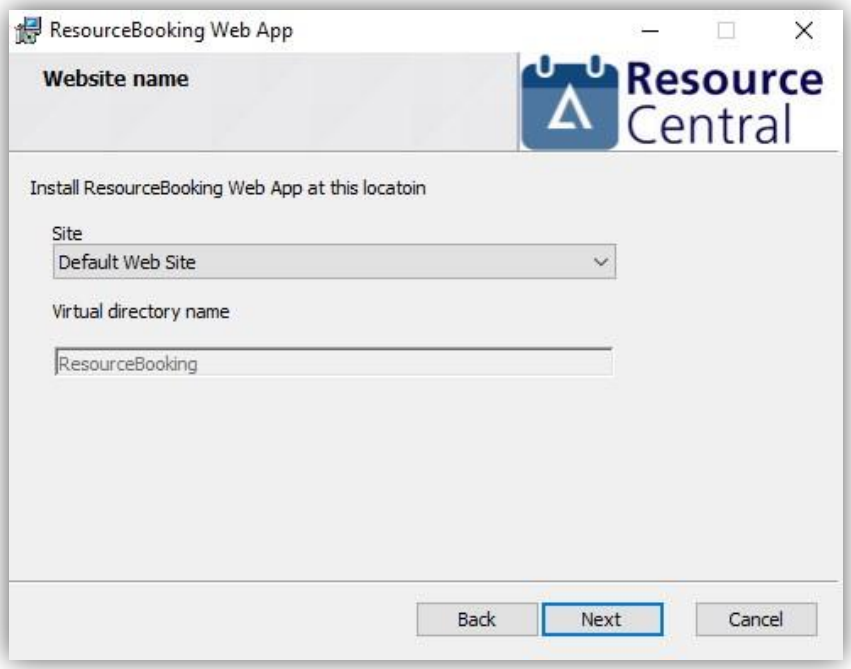


Figure 4. Setup – Website name

Select destination folder for the application.

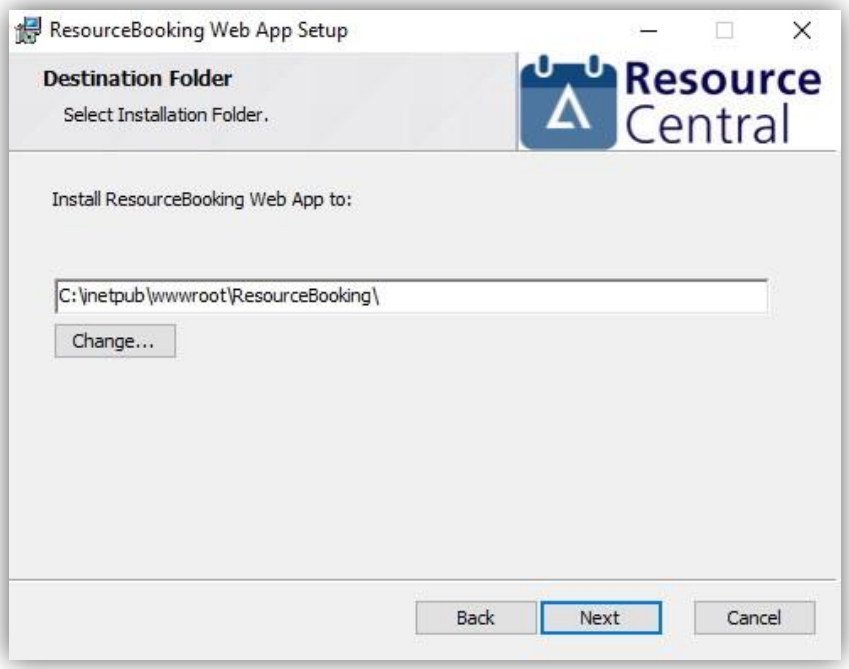


Figure 5. Setup – Select Destination Folder

Click [**Next**] to be ready for the installation.

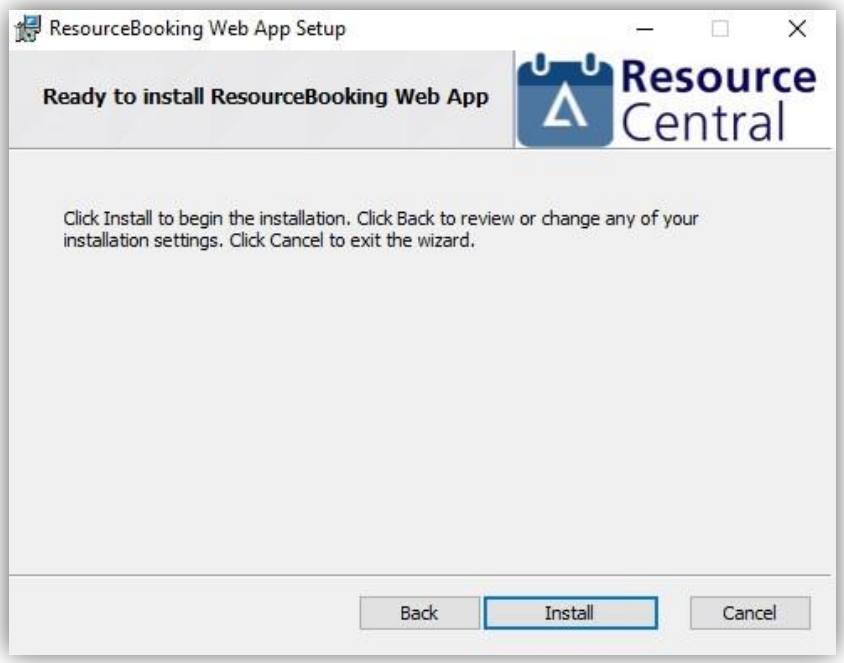


Figure 6. Setup – Ready to be installed

If you have to change something, you can go back from this screen and do what you need and then install the application.

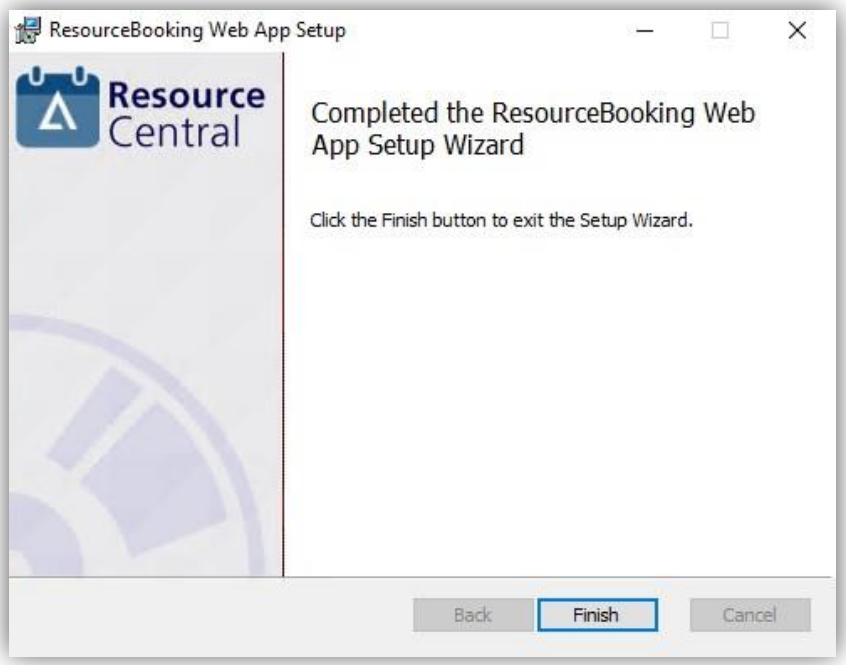


Figure 7. Setup - Finish

Click [**Finish**] to complete the installation.

Configuration

After the installation is finished, you can make all the necessary configuration in Resource Booking Web App Configuration Tool.

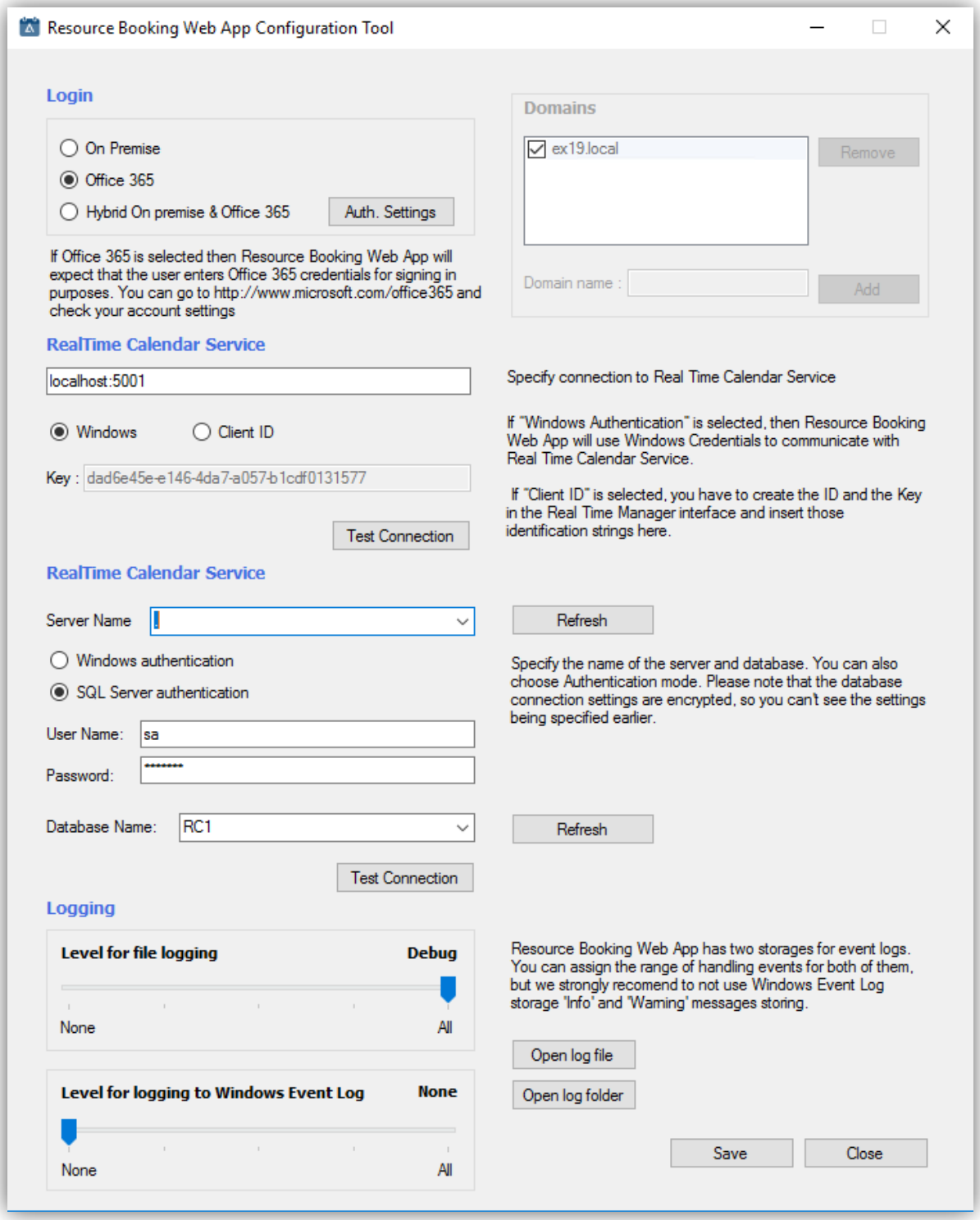


Figure 8. Resource Booking Web App Configuration Tool

The tool is divided into sections for configuration:

Login

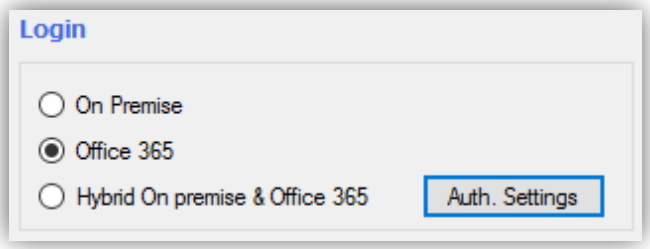


Figure 9. Configuration Tool - Login

Select login mode for the user. There are 3 options for you: On Premise, Office 365 and Hybrid (On Premise and Office 365).

You can also setup External Authentication for Single Sign-On by clicking on [**Auth. Settings**], which opens the following screen:

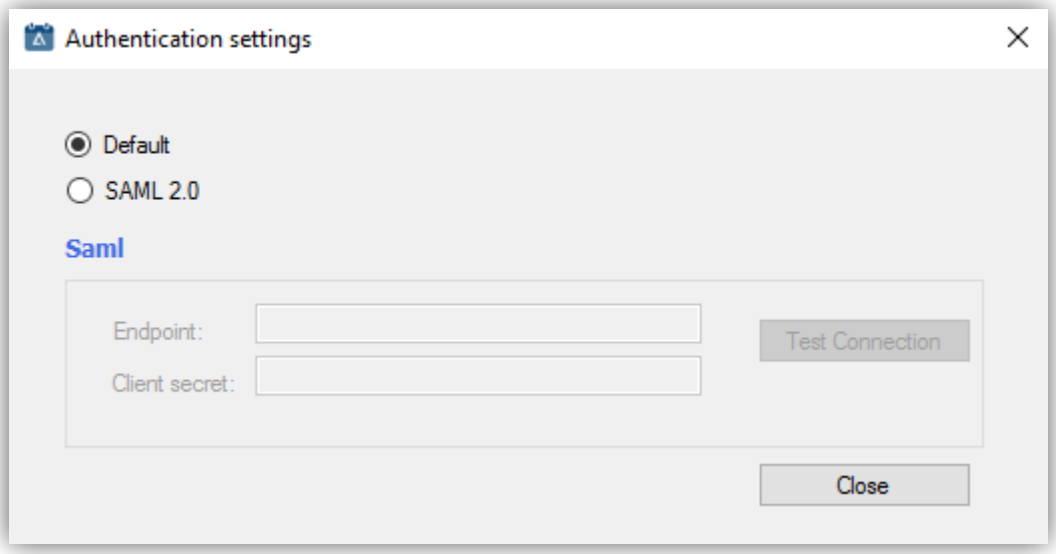


Figure 10. Configuration Tool - Login

The SAML 2.0 can be found in **RC backend → SYSTEM → External Authentication**, and select ”SAML2” for Authentication Protocol.

Domains

In the dialogue below, you can add/select or remove domains. The domains will be prepopulated into the Domain field, saving time for the users when log into the application.

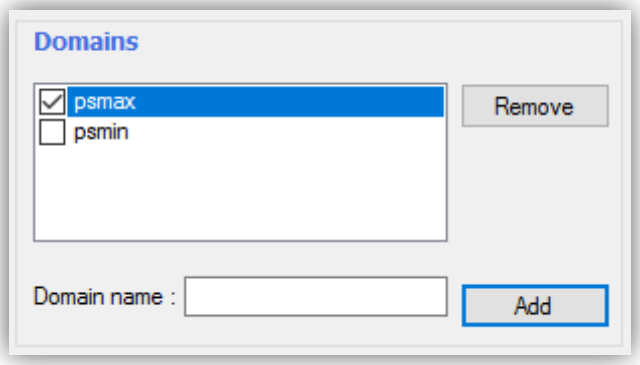


Figure 11. Configuration Tool - Domains

The selected domain will be shown as default. Other domains will be available in dropdown.

NOTE: This section is only available when ”On Premise” or ”Hybrid On premise & Office 365” login mode is selected.

RealTime Calendar Service

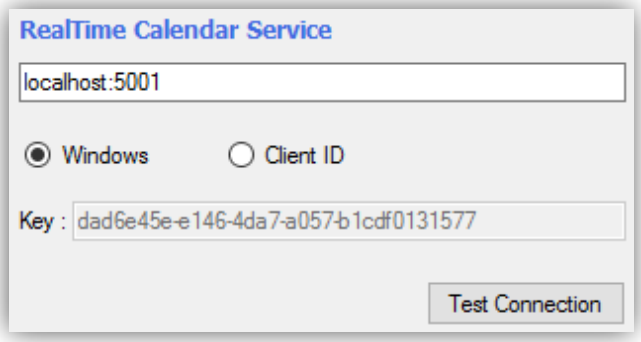


Figure 12. Configuration Tool - RealTime Calendar Service

Specify the host and the port where Real Time Calendar Service is listening on. You do not have to specify the full path to RTS, just host and port. Note that the default link (highlighted in the screenshot) is just an

example and it will not work after installation is completed. Anyway, you can always test the connection to RTS to figure out whether you have specified the correct host and port.

Select **Windows** if you use Windows Authentication to log in. In this case you will be prompted to input your windows credentials before retrieving access to RBWA Sign In dialog.

Select **Client ID** if RBWA is placed in DMZ (meanwhile RTS resides inside the domain). The **Client ID** and **Key** are generated in '**General settings**' section in RealTime Manager (see ***RTS User Guide*** for more details).

Resource Central database connection

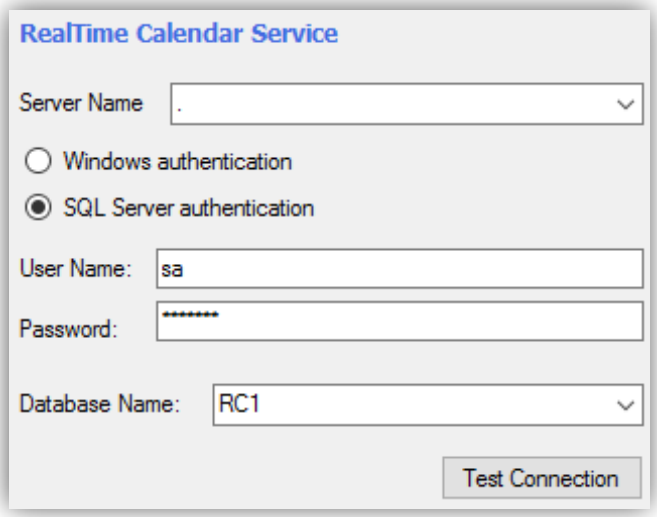


Figure 13. Configuration Tool - Resource Central database connection

Specify name of the server and database.

Also in this section, you can select Authentication mode. Choose between the ***"Windows authentication"*** option (domain credentials will be used to log on to the SQL server) and the ***"SQL Server authentication"*** - enter a specific username and password in this case.

Logging

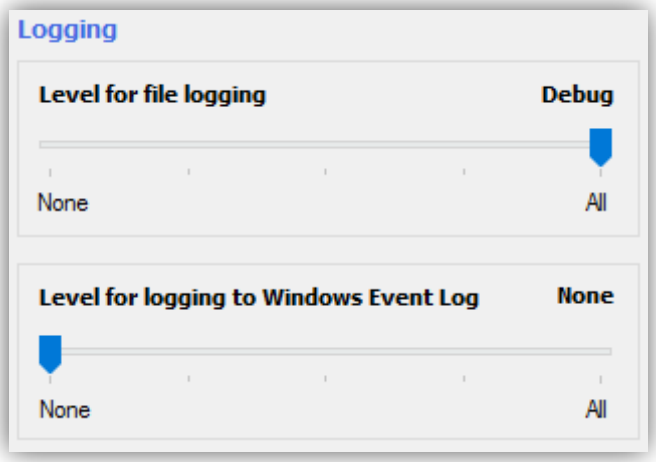


Figure 14. Configuration Tool – Logging

In this section you can configure logging level for the application.

If you want to know how to configure RBWA logging location and levels, see Appendix A – Logging Configuration for more details.

After finishing all necessary configurations, click [**Save**] button.

Accessing RBWA

After RBWA has been installed, it will appear in your IIS under **Sites → Default Web Site** if you did not change defaults while installing RBWA.

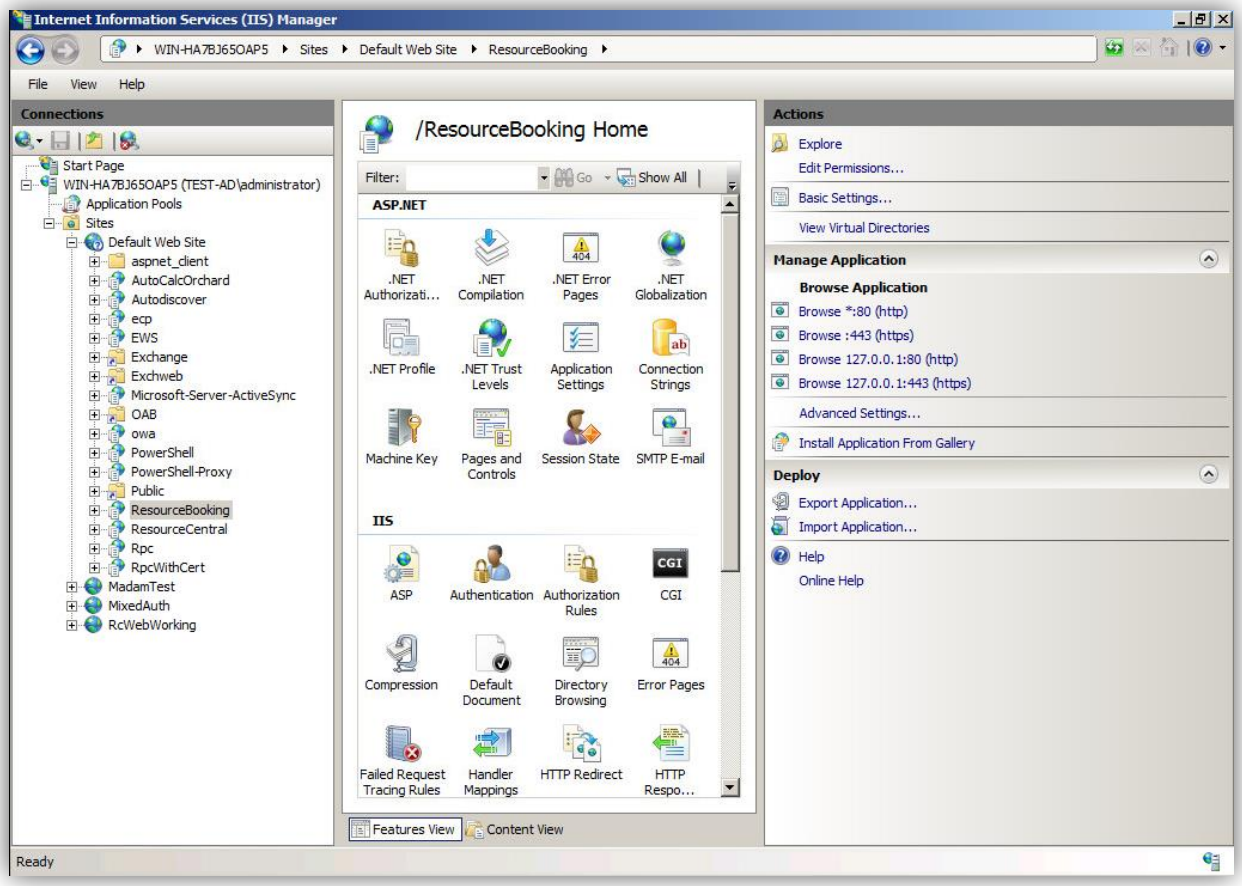


Figure 15. IIS Manager

RBWA may be accessed in local network by URL **Error! Hyperlink reference not valid.**, where:
<ServerIP> - IP address of the server where RBWA has been installed (for ex. 192.168.1.1)
<PORT> - port that site use (it may be found in IIS manager. By default it is 80 for HTTP and 443 for HTTPs and there is no need to point default ports in URL when accessing RBWA).

To know more how to configure the information required requests to communicate with a RBWA check the following article: http://www.iis.net/configreference/system.applicationhost/sites/site/bindings/binding

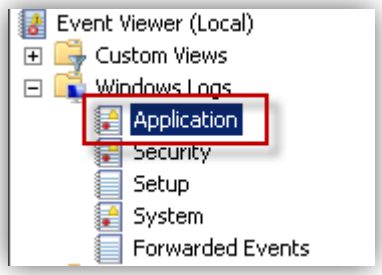
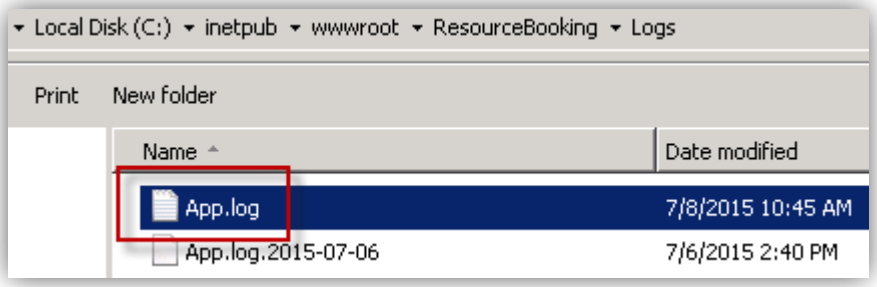
CHAPTER 3.

Appendixes

Appendix A – Logging configuration

Location of RBWA logs

By default RBWA logs are stored in 2 places: **Event Viewer** and **App.log** file

Event Viewer	Windows Logs\Application 
App.log file	C:\inetpub\wwwroot\ResourceBooking\Logs 

Configure logging

RBWA logging location and levels can be configured by making modifications in **Log4Net.config** file. By default, it is located at the installation folder of RBWA (*C:\inetpub\wwwroot\ResourceBooking*).

Configure location for log file

You can only change logging location in local machine. To do that, open the **Log4Net.config** file with Notepad, look for the value as highlighted in the following figure:

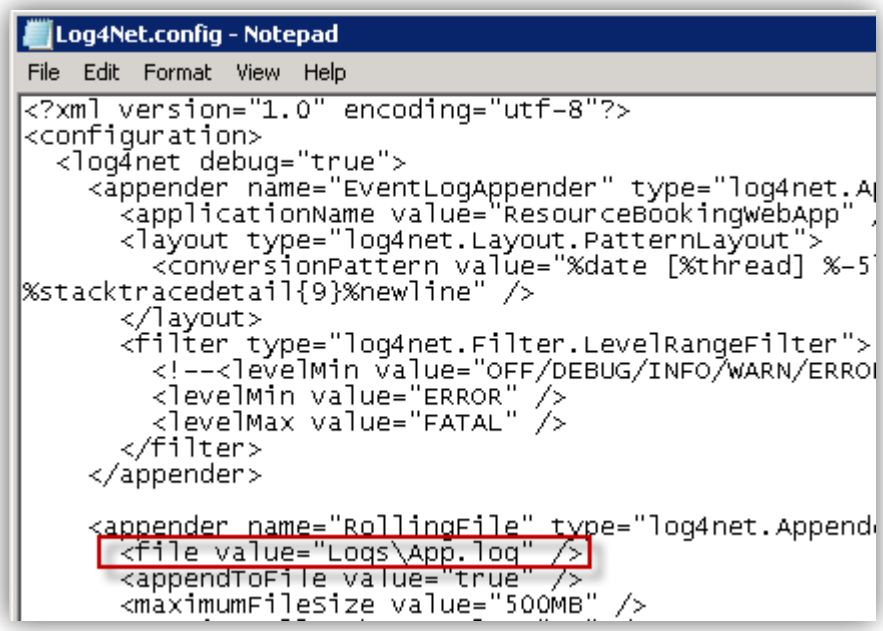


Figure 16. Log4Net.config file

You can put in a path to the folder to which you want the logs are saved.

NOTE: ResourceBooking App Pool Identity Account must have full permissions on the folder to which you want the logs are saved.

Configure logging level

Logging levels for Event Viewer and log file (**App.log** by default) can also be configured in the **Log4Net.config** file. To do that, open the **Log4Net.config** file with Notepad, look for the value as highlighted in the following figure:

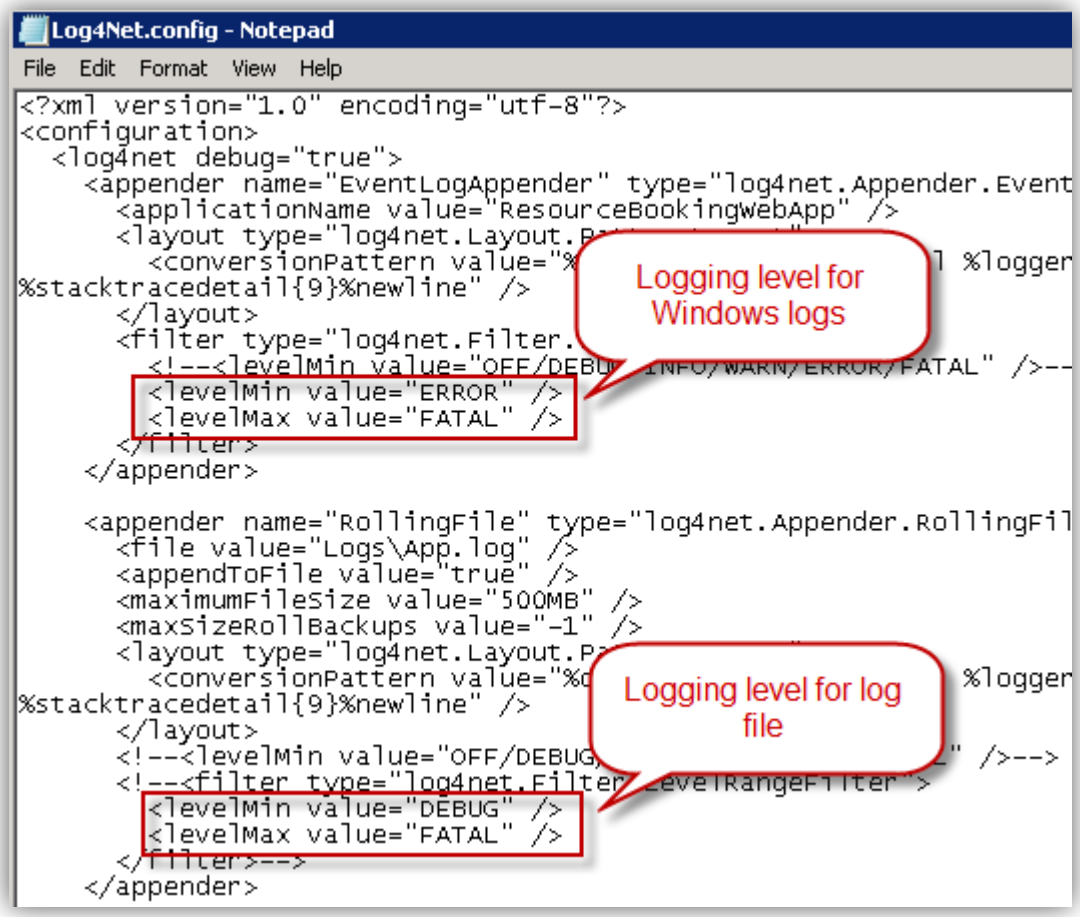


Figure 17. Log4Net.config file

Make change of the log level as you wish and save the file.