

CITYSDK TOURISM PLATFORM INSTALLATION GUIDE

This document describes the requirements and installation procedure for the CitySDK Tourism Platform.

PREREQUISITES

In order to deploy the CitySDK Tourism Platform, it is necessary to comply with the following list of software requirements:

- Microsoft Windows Server 2008 R2 or better (64bit operating system is required);
- Internet Information Services 7 (IIS7);
- Microsoft .Net 4.5 Framework or better;

In terms of hardware requirements, a machine capable of complying with the previous software requirements is necessary. It is recommended that the installation target for the CitySDK Tourism Platform has at least 10GB of disk space for storage of data.

Inbound network access on TCP ports 80 (http) and 443 (http) is also necessary for allowing internet access to the CitySDK Tourism Platform.

The following table illustrates the requirements:

| Requirement Type | Description | |
|------------------|---|--|
| Software | Microsoft Windows Server 2008 R2 (64bit | |
| | operating system is required) | |
| Software | Internet Information Services 7 (IIS7) | |
| Software | Microsoft .Net 4.5 Framework (or better) | |
| Hardware | Recommended 10GB of free disk space | |
| Network | TCP Port 80 accessible from the internet | |
| Network | TCP Port 443 accessible from the internet | |

INSTALLATION PROCEDURE

In order to install the CitySDK Tourism Platform it is necessary to follow the next steps:

- 1. Database Installation
- 2. Platform Installation

DATABASE INSTALLATION

Download and install the latest MongoDB 64bit version for Microsoft Windows from http://www.mongodb.org/downloads.

Follow the MongoDB installation tutorial on

http://docs.mongodb.org/manual/tutorial/install-mongodb-on-windows/ to install the MongoDB database as a service in the system.

PLATFORM INSTALLATION

Copy the CitySDK folder from the provided CitySDK.zip file to the default IIS folder (C:\inetpub\wwwroot\)

Update the web.config parameters to reflect the correct MongoDB parameters:

- Parameter MongoServer should point to the MongoDB server address (Default: localhost)
- Parameter MongoDatabase should indicate the CitySDK database on MongoDB (Default: CitySDK)

Deploy the site on the IIS to make it available.

TESTING

In order to test if the installation was successful, it is necessary to point a browser to the installed platform. If everything was installed the resources page should be available at the following url:

http://<server_url_and_path>/Diagnostic

The page should present the status of the MongoDB connection, which should be reported as "MongoDB Connection: OK". The following picture illustrates the diagnostic page, indicating success:

| Sna | oshot of Diagnostic generated by <u>ServiceStack</u> on 21-05-2013 14:0 | 0.4 ms 192.9 ms |
|-------|---|--------------------|
| | · · · · · · · · · · · · · · · · · · · | 275.3 ms |
| | view json datasource from original url: http://localhost:46044/CitySDK/Diagnostic? in other formats: json xml csv jsv | 1.4 ms |
| | | 279.3 ms |
| | | |
| Messa | MongoDB Connection: OK | |
| Moooc | 90 | |
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FIGURE 1 - DIAGNOSTIC PAGE

ADMINISTRATION PASSWORD

In order to access data manipulation functions, users must authenticate in the platform (refer to the Data Administration Manual). Default credentials after installation of the platform are:

USERNAME: ADMIN

PASSWORD: DEFAULTCITYSDKPASSWORD

The access credentials can be updated by accessing the backend MongoDB <u>CitySDK</u> database and update the administration username and password hash/salt in the <u>UserAuth</u> table.

In C#, the password hash/salt can be calculated using the following function:

STRING HASH;

STRING SALT;

NEW SALTEDHASH().GETHASHANDSALTSTRING("NEW_PASSWORD", OUT HASH, OUT SALT);