**Arc42 Rhapsody Getting Started Guide**

Rational Rhapsody; copy; is a commercial UML modelling tool from IBM

The Rhapsody version of arc42 contains the complete parts of the arc42 structure with minimum help text. It’s available in EN only.

arc42 is a state of the art methodology to describe architecture of any size project in any domain. In this rhapsody arc42 profile includes the complete arc42 structure within Rhapsody using UML/SysML. **The main motivation behind keeping the complete structure** within the tool is to see the architecture aspects (like the architecture views, decisions and concepts) in the same tool which the developers would be working in their daily work and not to break this as an artefact which is kept elsewhere.

The Rhapsody 8.2.1 version is used to create rhapsody arc42 profile contains following items in the zip archive

1. **rhapsody\_arc42\_profile** Rhapsody project. In this Rhapsody project following model is incorporated
   1. rhapsody\_arc42\_profile which comprises of stereotypes required for establishing arc42 structure
   2. place holder to start adding your project
2. **rhapsody\_arc42\_report\_generation** folder for Report generation which contains IBM RPE template required to generate Report out of the Rhapsody model
   1. This has a special feature where the textual contents can be placed under a document file in the form of Controlled file in every structure, the report template would read this and generate the textual content from document to final report
3. **rhapsody\_example\_arc42\_for\_arc42** example Rhapsody project called. In this Rhapsody project following model is incorporated
   1. example\_arc42\_for\_arc42 a small example where all the chapters are explained on why arc42 with arc42 structure
   2. usage of rhapsody\_arc42\_profile within
4. **rhapsody\_arc42\_getting\_started\_guide.docx** which explains the usage of rhapsody arc42 profile

**How to use the Rhapsody arc42 profile**

Steps for usage

1. Download the arc42-v<X>-rhapsody.zip archive file. The zip archive contains following folders
   1. **rhapsody\_arc42\_profile** folder which contains Rhapsody project. In this Rhapsody project following model is incorporated
   2. **rhapsody\_arc42\_report\_generation** folder for Report generation which contains IBM RPE template required to generate Report out of the Rhapsody model
   3. **rhapsody\_example\_arc42\_for\_arc42** folder which contains example Rhapsody project. In this Rhapsody project following model is incorporated
2. open the rhapsody project by double clicking on rhapsody\_arc42\_profile\rhapsody\_arc42\_profile.rpy
3. Since Rhapsody does not allow to rename the Project, use file save as and give your desired project name in your desired directory
4. Rename the ‘your\_project\_name’ package under arc42\_structures to the required name, this would create a directory inside the <new\_project\_name>\_rpy folder
5. Delete the ‘your\_project\_name’ directory as this is not required anymore. (When the package is renamed this Rhapsody would keep all the packages with \*.keep name under the same respective folders
6. Now you set to go. For reference you can also open **rhapsody\_example\_arc42\_for\_arc42** for reference

**How to use the Rhapsody Report Generation**

Steps for usage

Pre requisites - IBM RPE package needs to be installed

1. From Rhapsody Tool use Menu option Tools/Publish Report which opens up the separate cmd prompt where data is hosted in the temporary local host
2. Double click on rhapsody\_arc42\_report\_generation\rhapsody\_arc42\_report.dsx. This opens up a Publishing Engine.
3. Following elements need to be configured in dsx file
   1. Template: this dsx file already points to template rhapsody\_arc42\_report\_template.dta in the same folder.   
      Please refer IBM RPE documentation template tutorials if templates need to be changed
   2. Data Source: please modify the Data Source and give your authentication details.  
      IBM RPE is used for generating the report. Please refer the IBM RPE for setting up the Data Source. This is not explained here
   3. Output: You have several option, this dsx file is configured to generate only docx under .\output folder with style configured to rhapsody\_arc42\_style\_sheet\_template.dot in the same folder.  
      You can modify to your desired output location and style
4. This generates the arc42 structure with all the chapters defined in the .dta template.

Note – This has a special feature where the textual contents can be placed under a document file in the form of Controlled file in every structure, the report template would read this and generate the textual content from document to final report