

BlueBRIDGE - Project Activity #1441

Project WP # 629 (Closed): WP4 - VREs Deployment and Operation [Months: 1-30]

Project Task # 630 (Closed): T4.1 BlueBRIDGE Infrastructure Operation [Months: 1-30]

Integrate .Net algorithms on the BlueBRIDGE computing platform

Nov 20, 2015 12:20 PM - Gianpaolo Coro

Status:	Rejected	Start date:	Sep 06, 2016
Priority:	Normal	Due date:	Sep 22, 2016
Assignee:	Paolo Fabriani	% Done:	100%
Sprint:	WP05		
Participants:	3 - ENG		
Description			
In this task we will discuss how to properly integrate algorithms provided by Jeroen Steenbeek with the gCube Statistical Manager (StatMan), to make them run on the infrastructure.			
As first step, CNR and ENG should align on how to build algorithms for StatMan. This requires ENG to follow the tutorial at this page, up to Section 10:			
https://wiki.gcube-system.org/gcube/How-to_Implement_Algorithms_for_the_Statistical_Manager			
Subtasks:			
Task # 1461: Design the interface between the Statistical Manager and EwE			Closed
Task # 4924: Connect EwE desktop software to the BB cloud for running user models			Rejected
Task # 4939: The authorization service has to return the email of the user			Rejected
Related issues:			
Related to BlueBRIDGE - Project Task # 642: T5.1 Stock Assessment VRE [Months...		Closed	Oct 09, 2015 Jan 31, 2018

History

#1 - Nov 20, 2015 12:20 PM - Gianpaolo Coro

- Related to Project Task #688: T9.2 Data Analytics Facilities [Months: 1-29] added

#2 - Nov 20, 2015 12:21 PM - Gianpaolo Coro

- Related to Project Task #642: T5.1 Stock Assessment VRE [Months: 1-30] added

#3 - Nov 20, 2015 12:21 PM - Gianpaolo Coro

- Related to Project Task #630: T4.1 BlueBRIDGE Infrastructure Operation [Months: 1-30] added

#4 - Nov 20, 2015 12:29 PM - Paolo Fabriani

- Assignee changed from Daniele Pavia to Paolo Fabriani

#5 - Nov 30, 2015 11:42 AM - Gianpaolo Coro

Hi @paolo.fabriani@eng.it, this ticket is strongly correlated to #1461. I think my proposal to follow the tutorial on the StatMan algorithms is the first step to discuss about the proper integration of EwE within the infrastructure.

#6 - Dec 10, 2015 12:41 PM - Paolo Fabriani

- Status changed from New to In Progress

#7 - Dec 15, 2015 02:37 PM - Pasquale Pagano

- Tracker changed from Task to Project Activity

- Participants 3 - ENG added

#8 - Dec 22, 2015 12:18 PM - Gianpaolo Coro

Hi @paolo.fabriani@eng.it could you report a plan for this activity, please? The algorithm interface should be clear from my last report in the parent ticket. This is a crucial activity for BlueBRIDGE.

#9 - Dec 23, 2015 03:20 PM - Paolo Fabriani

A first version of the EwE wrapper has been developed. Here are some info:

- It implements solution 1 described in #1461;
- 2 input parameters are expected: model and configuration file;
- Output is produced as a single zip file, but it would be better to have multiple outputs;
- Only tested in an isolated environment (i.e. not within a statistical manager);
- Some refactoring will be needed to retrieve information (e.g. working directory, executables location, etc) from the runtime environment;
- Code committed to svn; etics configuration created; build status is failed because of failed dependencies.

#10 - Jan 18, 2016 03:36 PM - Paolo Fabriani

The implementation of the algorithm has been completed to implement solution 1 in #1461. Some details below:

- EwE executable and libraries are downloaded at every execution from the imarine gateway workspace: http://data.d4science.org/id?fileName=EwECmdV3_64bit.zip&smp-id=5656dc91e4b0eacf4a0fc2bb&contentType=application%2Fzip
- deployed on the statistical manager in the development infrastructure: <https://dev.d4science.org/group/devvre/statistical-manager>
- available within the 'Stock Assessment' family of algorithms in the Statistical Manager

ToDo:

- EwE.exe exception handling
- Missing description of the algorithm to be displayed in the SM

#11 - Jan 20, 2016 03:16 PM - Paolo Fabriani

A new version of the algorithm has been deployed to devVRE with some minor updates:

- name of the model file extracted from the configuration file (no longer needed to be specified as parameter)
- exception handling (wrong input files and errors reported by EwE.exe)
- added a description to be shown in the algorithm list in the SM

#12 - Feb 05, 2016 01:00 PM - Gianpaolo Coro

- Related to deleted (Project Task #688: T9.2 Data Analytics Facilities [Months: 1-29])

#13 - May 09, 2016 09:01 AM - Gabriele Giammatteo

- Related to deleted (Project Task #630: T4.1 BlueBRIDGE Infrastructure Operation [Months: 1-30])

#14 - May 09, 2016 09:02 AM - Gabriele Giammatteo

- Parent task set to #630

#15 - Sep 04, 2016 08:41 PM - Jeroen Steenbeek

- *Start date changed from Nov 20, 2015 to Sep 04, 2016*

- *Due date set to Sep 30, 2016*

due to changes in a related task

#16 - Feb 21, 2019 11:59 AM - Pasquale Pagano

- *Status changed from In Progress to Rejected*