Easy Installer for AgriOcean DSpace – February 29, 2012

The installation in 5 steps

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The installation steps explained:

- 1. Install JAVA JRE (If not already installed)
 - Download from http://www.java.com/
 - If not installed automatically, run the downloaded file
- 2. Installing Tomcat 7 (= application server)
 - Download from <u>http://tomcat.apache.org/download-70.cgi</u>: (select 32-bit/64-bit Windows Service Installer)
 - Click on the downloaded file (accept to run if Windows ask for that) and you will get the following screens:

Screen 1:



Screen 2:

2	Apache Tomcat Setup
	License Agreement Please review the license terms before installing Apache Tomcat.
	Press Page Down to see the rest of the agreement.
	Apache License Version 2.0, January 2004 http://www.apache.org/licenses/
	TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
	"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
	If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Apache Tomcat.
	Vullsoft Install System v2,46

Screen 3:

Choose Components Choose which features of Apache Tomcat you want to install.				
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.				
Select the type of install:	Normal			
Or, select the optional components you wish to install:	Tomcat Start Menu Items Occumentation Manager Host Manager Examples	Position your mouse over a component to see its description.		
Space required: 8.5MB				
Julisoft Install System v2,46 —				

• Don't change anything on the standard settings

Screen 4:

Screen 5:

🔀 Apache Tomcat Setup: Co	onfiguration Op	itions
nfiguration omcat basic configuration.		Martin Contraction
Server Shutdown Port		8005
HTTP/1.1 Connector Port		8080 This is the the port definition of the website. Other ports can be
AJP/1.3 Connector Port		8009 used (e.g. 80 = standard port) if 8080 is already used.
Windows Service Name		Tomcat7
Create shortcuts for all use	rs	
Tomcat Administrator Login	User Name	dspace Not mandatory to fill out
(optional)	Password	
	Roles	manager-gui
Nullsoft Install System v2,46 -		
		< <u>Back</u> <u>N</u> ext > Cancel

- Use port 8080 as HTTP/1.1 Connector Port. if you choose another port (80 8079 ...) you need the same port definition in the dspace set up (see at p. 11, screen 6).
- Define a Tomcat administrator login (not mandatory)

🔀 Apache Tomcat Setup: Java Virtual Machine path selection	
Java Virtual Machine Java Virtual Machine path selection.	The second se
Please select the path of a Java SE 6.0 or later JRE installed on you	ır system.
C: \Program Files\Java\jre6	
Nullsoft Tostall System v2 46	
< Back	Next > Cancel

• JAVA is automatically recognized when available (no change necessary). If it is not yet installed, then no directory will be indicated. Stop the installation and go back to the beginning of the document.

Screen 6:



Push on the install button and Tomcat will be installed

Windows Start menu :



- With the Tomcat Monitor you can start and stop Tomcat:
 - Start the Monitor from the Start menu (Or under 'All Programs').
 - In the main toolbar you will find the Monitor Icon. With the right mouse button you can open the menu.
 - After installation it will run automatically for the first time only.
 - !! If Windows does not allow you to start up Tomcat (e.g. in Windows 7 Home version),
 - You can run it as administrator (see above)
 - Or you have to turn off the User Account Control (see <u>http://www.techknowl.com/turn-off-uac-in-windows-7-user-account.html</u>).
 - Security in Internet Explorer makes it difficult to open localhost. Therefore it is easier to use Firefox, Chrome, Safari as browser.

- 3. Installing Postgresql (= database)
 - Download the latest Windows version of Postgresql at http://www.postgresql.org/download/windows/:
 Download the one click installer. Choose the latest Win x86-32 version (only if you have a 64 bit Windows, you can use a Win x86-64 version).
 - Click on the downloaded file and you will get the following screens:

😻 Setup	ters .	
	Setup - PostgreSQL Welcome to the PostgreSQL Setup Wizard.	
PostgreSQL		
Packaged by:		
Enterprise DB®		
	< Back Next	> Cancel

Screen 1:

Screen 2:



• Simply use the default definition.

Screen 3:

😻 Setup				x
Data Direct	ory			S
Please select a	a directory under which to store your data. (C:\postgres-data Change the data directory. Windows does not always accept to put data in c:\Program Files\ You can define your own data directory.			
BitRock Installer		< Back	Next > Can	cel

• Change the default directory. Create your own directory outside the 'Program files' and Windows' directories (and other reserved directories).

Screen 4:

😻 Setup	- 0	x
Password		
Please provide a p service account alr account does not e	bassword for the database superuser (postgres) and service account (postgres). If Iready exists in Windows, you must enter the current password for the account. If exist, it will be created when you dick 'Next'.	f the the
Password	•••••	
Retype password	•••••	
	Remember the password !!	
BitRock Installer	< Back Next > Ca	ancel

• Create your postgresql password. Don't forget it.

Screen 5-6:

.

😻 Setup		
Port		
Please select the port number the server should	listen on.	
Port 5432	💽 Setup	
This is the standard port for Postgresql. Don't change it.	Advanced Options	1
	Select the locale to be used by the new database cluster. Locale [Default locale] -	
BitRock Installer		
Screen 7-8-9:	BitRock Installer	Next > Cancel
Setup		
Ready to Install	*	
Setup is now ready to begin installing PostgreSQ	. on your computer.	
	Netup	
	Installing	N.
	Please wait while Setup installs PostgreSQL on your computer.	
	Installing Unpacking C:\Program []tgreSQL\9.1\doc\postgresql\html\oid2name.html	
-		

		Please wait while Setup installs PostgreSQL on your computer.	
		Installing	
		Unpacking C:\Program []tgreSQL\9.1\doc\postgresql\html\oid2name.htm	d .
[🕼 Setup		
itRock In:	\square	Completing the PostgreSQL Setup Wizard	
		Setup has finished installing PostgreSQL on your computer.	
		Stack Builder may be used to download and install additional tools, drivers and applications to	
		complement your PostgreSQL installation.	
			Next > Cance
	PostareSQL		
	Packaged by:		
	EnterpriseDB		
	The Enterprise PostgreSQL Company		
		< Back Finish Cancel	

• Finish the installation.

Windows (7) Start menu :



- You can manage postgresql with the pgAdmin III tool (Basics: <u>http://www.pgadmin.org/docs/1.14/using.html</u>)
- 4. Installing the AgriOcean Dspace application
 - o Download from http://code.google.com/p/agriocean/downloads/list: AgriOceanSetup1-2.exe
 - o Double click on the file and the Dspace installer will start.
 - o After filling out the necessary fields, click on nextfields

Screen 1:



Screen 2:

O AgriOcean e-repository system Setup				
Choose Components Choose which features of AgriOcean e-repository system you want to install.				
Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.				
Select components to install: V Full install	Description Position your mouse over a component to see its description,			
Space required: 293.8MB				
Nullsoft Install System v2,46	< <u>B</u> ack <u>N</u> ext > Cancel			

- Note: An update option will be created in the next version.
- Screen 3:

O AgriOcean e-repository system Setup	
Choose Users Choose for which users you want to install AgriOcean e-repository sy	ystem.
Select whether you want to install AgriOcean e-repository system fo users of this computer. Click Next to continue.	r yourself only or for all
 Install for anyone using this computer Install just for me 	
Nullsoft Install System v2.46	ext > Cancel

Screen 4:

O AgriOcean e-repository system Setup	
Choose Install Location Choose the folder in which to install AgriOcean e-repository system.	
Setup will install AgriOcean e-repository system in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.	
Destination Folder	
C:\aod\	
Space required: 293.8MB Space available: 78.8GB	
Nullsoft Install System v2.46	

- We suggest to create a specific folder as destination folder (e.g. c:\aod\).
- Screen 5:

O AgriOcean e-repository system Setup	
Choose Start Menu Folder Choose a Start Menu folder for the AgriOcean e-repository system shortcuts.	
Select the Start Menu folder in which you would like to create the program's shortcu can also enter a name to create a new folder.	ıts. You
7-Zip Accessories Administrative Tools Apache Tomcat 6.0 Apache Tomcat 7.0 Tomcat7 CamStudio CoolSoft NSISDialogDesigner CutePDF Dell Inc Dropbox Elaborate Bytes	* H
Do not create shortcuts Nullsoft Install System v2.46	
< Back Next >	Cancel

• The start menu will include the the uninstaller (For an easy reinstallation, you will need to delete the dspace database with pgAdmin III

• In the following screens you can define the major configuration options of DSpace. (This information will be written away in the file *c:\<agriccean dir>\repos\config\dspace.cfg*)

Screen 6	5:
----------	----

🕓 AgriOcean	e-repository	system Setup	-	-		x
Basic infor	nation					3
					0	9
DSpace	installation direc	tory dspace.dir =	\${dspace.dir	}		
UKLs	settings	DSpace host name Do not include port	- should match i number	base URL.		
dspac	e.hostname =	= localhost			1	
		DSpace base host	URL. Include p	ort number etc.		
dspace	e.baseUrl =	http://localhost	2	: 8080	3	
		Name of the site				
dspace	e.name =	AgriOcean			4	
		Default language fo	or metadata valu	es		
default	.language =	en			5	
Nullsoft Install	System v2.46 -					_
			< Back	Next >	Cancel	
			< Back	Next >	Cancel	

- With the default values you can set up AgriOcean DSpace on a computer locally.
- To change it to set it up as a web server
 - \circ Enter the hostname or IP number of the server/PC. (1 2.).
 - \circ ~ To ~ make it available on the standard port change it to port 80. (3).
 - \circ $\$ In 4 you give a name to your repository.
 - Use the ISO639-1 code to define your standard language (<u>http://en.wikipedia.org/wiki/List of ISO 639-1 codes</u>) (5).
- Screen 7:

0) AgriOcean e-reposi	tory system Setup	
	Basic configuration Database settings		
	Database settir	ıgs	
	db.usemame =	<i>Database username</i> dspace	
	db.password =	postgres database user password (you set up during PostgreSQL installation) ••••••	
N	Jullsoft Install System v	2,46	Cancel

• Use the postgresql password. It will be also your dspace password.

Screen 8:

AgriOcean e-repository system Setup	
Dialog title	
E-mail settings	
By default DSpace will not send out emails. This is especially useful for development and test environments where production	
data is used when testing functionality.	
mail.server = smtp.gmail.com 1 mail.server.port 25	2
SMTP mail server authentication usemame and password (if required)	_
mail.server.username = oceandocs@gmail.com	3
mail.server.password =	4
Administrator's e-mail = mcgoovaerts@gmail.com	5
Nullsoft Install System v2.46	
< Back Install	Cancel

- It is important to install an email service in Dspace, surely when the repository is going on line.
- o If you want simply do a test, don't enable sending an email.
- For registering and using the communication aspects of AgriOcean Dspace enable:
 - If you have your own mail server, simply fill out 1 and 2 If the system requires SMTP mail server authentication fill out 3 and 4. Ask your network manager.
 - You can always use gmail as your mail server. Use for 1 and 2 the default values. Create a gmail account. Fill out the gmail address in 3 and the password in 4.
 - You can reuse the gmail account as administrator's email or choose another one. All the emails sent and received will respectively come from and go to that address ().

😳 Look for Tomcat	x
Choose Tomcat Install folder:	
> 🎚 MSOCache	
postgres-data	
🔺 🌗 Program Files	
ActivIdentity	
Adobe	
AGEIA Technologies	
Apache Software Foundation	
Dia Tomcat 7.0	
Common Files	
CoolSoft NSISDialogDesigner	-
	F I
OK Can	icel

Only if the choice was not correct, you can move the web applications (directories dspace, solr, oai) manually from <AgriOcean destination folder>\repos\ webapps to <destination folder Tomcat>\webapps

Pop-up 1:

The directory where Tomcat is installed has to be defined. Simply go to the main directory of Tomcat (normally: Program Files\Apache Software Foundation\Tomcat 7.0. If you have used Tomcat 6 it will have another directory name. If you have a 64bit Windows it can even be in another main directory, e.g. Program Files (x86)).





Pop-up 2:

The directory where Postgresql is installed has to be defined. Simply go to the main directory of Postgresql version (normally: Program Files\Postgresql\<version n°>. If you have a 64bit Windows it can be installed in another main directory, e.g. Program Files (x86)).

Screen 9-10:



• After clicking on next, it will take a few minutes before the AgriOcean Dspace is installed.

5. Finalization: Starting up the AgriOcean Dspace application.

If the instructions are followed then you can start the application in your web browser, standard on http://localhost:8080/dspace or <a href="http://standard.epst/standa

D AgriOcean: Home × 🕀		
← → C ③ localhost:8080/dspa	ice/	☆ 🍾
Ag	riOcean DSpace	~
Communities in DSpace Institute [0] Library [0] Feeds Contact: Administrator Links: Search engines: Avano, Google Scholar, OAIster Repositories: Archive Institutionnelle de l'Ifremer, IRD Documentation, ePrints Soton (Oceanography), Woods Hole Open Access Server, Marine & Ocean Science ePrints Archive @ Plymouth, DRS at National Institute Of Oceanography, Institute of Biology of the Southern Seas	AgriOcean > AgriOcean Space The United Nations agencies of FAO and UNESCO-IOC/IODE have announced a joint initiative to provide a customized version of DSpace using standards and controlled vocabularies in oceanography, marine science, food, agriculture, development, fisheries, forestry, natural resources and related sciences The communities of FAO and UNESCO-IOC/IODE active in oceanography and food, agriculture, development, fisheries, forestry, natural resources and related sciences will provide a bespoke repository software based on DSpace to offer Open Access to the literature. They will use the same high standards for metadata, thesauri and other ontologies ensuring advanced access to the scientific publications in the field and the possibility to create new services for their researchers. Search	E
	DE Dspace	-

The login in MyDspace is *agri@ocean* with password *agri*.

You can create your own administrator account from the command line:

c:\<agriocean dir>\repos\bin\dspace create-administrator. Other users can simply create their account at 'My DSpace'. As Administrator you still have the task to give them the right to add documents to collections. Other commands are shown when you enter simply *c:\<agriocean dir>\repos\bin\dspace.*

If you don't want to install the package immediately, you can do some tests at <u>http://193.190.8.15/dspace</u> with the login agri@ocean - password agri2012.

If you have problems with the installation, want to report bugs or have suggestions go to AgriOcean community page (http://aims.fao.org/community/group/agriocean-dspace)

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Diepenbeek, February 29 2012