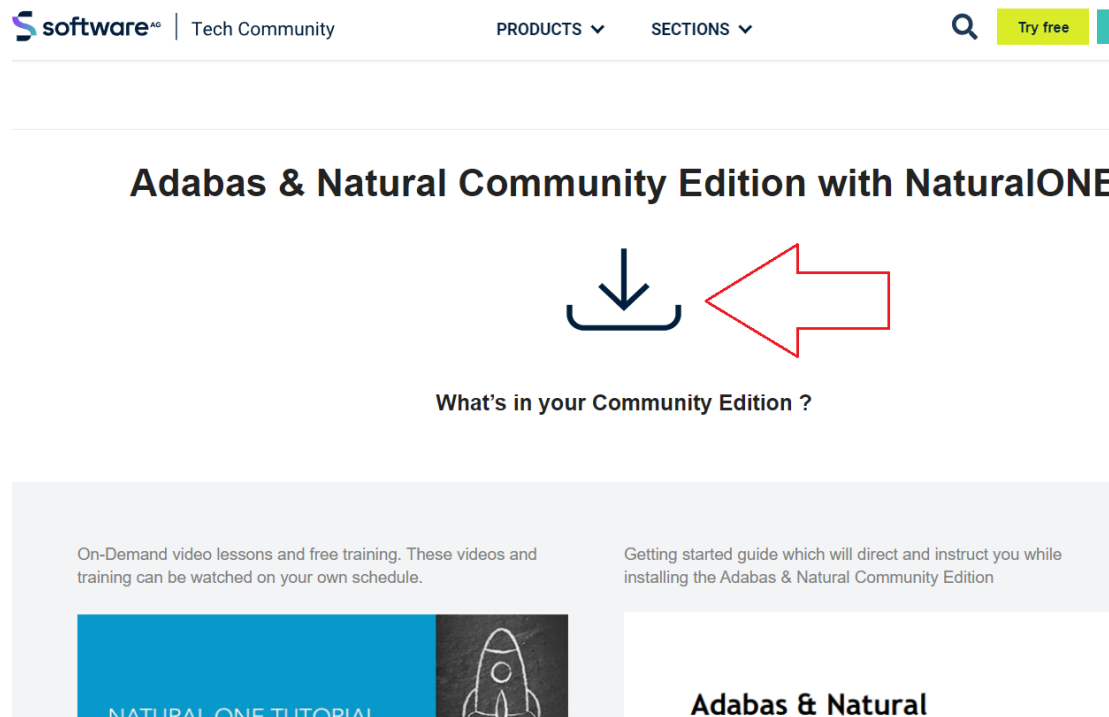


Instalação da IDE NaturalONE Community

1. Entre no site e clique no ícone:

<https://tech.forums.softwareag.com/t/adabas-natural-community-edition-for-docker-download/235228>




The screenshot shows the top of a forum page. The header includes the Software AG logo, 'Tech Community', and navigation links for 'PRODUCTS' and 'SECTIONS'. A search icon and a 'Try free' button are also visible. The main heading is 'Adabas & Natural Community Edition with NaturalONE'. Below this is a large icon consisting of a blue download arrow and a red left-pointing arrow. The text 'What's in your Community Edition ?' is centered. Below this, there are two columns of content. The left column has a blue header 'On-Demand video lessons and free training. These videos and training can be watched on your own schedule.' and a video thumbnail with the text 'NATURAL ONE TUTORIAL'. The right column has a white header 'Getting started guide which will direct and instruct you while installing the Adabas & Natural Community Edition' and a white box with the text 'Adabas & Natural'.

software^{ag} | Tech Community

PRODUCTS ▾ SECTIONS ▾

Q Try free

Adabas & Natural Community Edition with NaturalONE



What's in your Community Edition ?

On-Demand video lessons and free training. These videos and training can be watched on your own schedule.

NATURAL ONE TUTORIAL

Getting started guide which will direct and instruct you while installing the Adabas & Natural Community Edition

Adabas & Natural

2. Preencha o formulário:

Welcome!




Let's create your account


<input type="text" value="Email *"/> <small>Never shown to the public.</small>	<input type="text" value="Username *"/> <small>unique, no spaces, short</small>
<input type="text" value="First name *"/>	<input type="text" value="Last name *"/>
<input type="password" value="Password *"/> <small>at least 8 characters</small> Show	<input type="text" value="Company"/>
<input type="text" value="(select an option) *"/>	
<input type="text" value="Country"/>	
<input type="checkbox"/> I accept the terms of service	

Create your account

Log In

By registering, you agree to the [privacy policy](#) and [terms of service](#).

 Sign in with Google

 Log in with Empower

3. Clique em Prosseguir:

Let's improve your experience. Join the product groups you are interested in to receive content notifications that are relevant for you.

Cumulocity IoT <small>2313</small> Comunidade de Internet das Coisas e Analytics. Junte-se para assinar notificações por e-mail para tópicos Cumulocity IoT. ... Juntar	webMethods <small>64196</small> Comunidade de APIs, Integração e Microserviços. Participe para se inscrever nas notificações no aplicativo para o tópico webMethods... Juntar	Adabas & Natural <small>18208</small> Adabas e usuários da Comunidade Natural. Junte-se para se inscrever para notificações por e-mail para tópicos Adabas & Natural. Juntar
alfabeto <small>5757</small> Comunidade de Transformação de TI. Junte-se para se inscrever para receber notificações por e-mail sobre tópicos da Alfabet. Juntar	Apama <small>6222</small> Comunidade de análise de streaming. Junte-se para se inscrever para notificações por e-mail para tópicos Apama. Juntar	ARIS <small>12346</small> Transformação de processos de negócios. Junte-se para assinar notificações por e-mail para tópicos ARIS. Juntar




✓ Prossiga para a comunidade de tecnologia


4. Clique na 3ª opção - Download Adabas e Natural Community Edition with NaturalONE:


Welcome to the Tech Community

News


Now you can:


1. Download webMethods Integration Free Trial 

2. Download webMethods Service Designer Free Trial 

3. Download Adabas & Natural Community Edition with NaturalONE 



4. Set up your notification settings 

5. Visit the forum and ask your question 

← Go back to the  Community home page

5. Novamente somos redirecionados para essa página, clique novamente no ícone:

Adabas & Natural Community Edition with NaturalONE



What's in your Community Edition ?

On-Demand video lessons and free training. These videos and training can be watched on your own schedule.



Getting started guide which will direct and instruct you while installing the Adabas & Natural Community Edition

Adabas & Natural

6. Ao clicar no ícone temos que submeter o formulário clicando em submit:

Adabas and Natural for Docker download form

 News

Please submit the form below to download Adabas & Natural for Docker

LEGAL NOTICES (ALLv201901)

This notice is valid for all products, product lines and associated products of Software AG comprising software, documentation, user manuals and other related materials in tangible or electronic form (the "Product").

IMPORTANT: YOU SHOULD READ THE FOLLOWING TERMS AND CONDITIONS CAREFULLY BEFORE INSTALLING OR USING ANY RELEVANT SOFTWARE AG SOFTWARE TO WHICH THESE TERMS AND

First Name:

Last Name:

Email Address:

*

Country:

Brazil ▾

Company Name:

Yes, I accept the License Agreement * ☒
and the Export Regulation.

7. Somos redirecionados para a seguinte página:



Adabas & Natural Community Edition for Docker

Thank you for your interest in Adabas & Natural Community Edition for Docker!

What should I do next?

Listen to our YouTube playlist and learn more about the capabilities of NaturalONE.



Register for our FREE basic training of NaturalONE, this is self-paced course provides a basic introduction to the integrated development environment NaturalONE for novices to make them familiar with the environment to enable them to use NaturalONE as a development environment for Natural programmers.

Register [here](#).

8. No final da página temos opções para baixar a IDE para Windows e Linux:



Adabas & Natural Community Edition for Docker

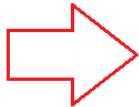
steps and start your testing today.

Supported Platforms:

- Windows 10 desktop platforms
- Linux (x86/64Bit platforms)

The Docker container images are deployed on Docker Hub and Software AG public registry (<https://containers.softwareag.com/>).

Download NaturalONE Community Edition:



Click [here](#) to download NaturalONE Community Edition for Windows

Click [here](#) to download NaturalONE Community Edition for Linux

The following usage restrictions apply to Adabas & Natural Community edition for Docker:

This Community Edition is for personal use only. Use for commercial production purposes is prohibited.

For assistance installing or using NaturalONE, please post your questions at the [NaturalONE Community Edition](#) discussion forum.

9. Para usarmos a IDE NaturalONE Community devemos baixar o Docker:

<https://www.docker.com/products/docker-desktop/>

As versões mais recentes do Docker pedem o Windows 10 Pro. Mas existe o Docker Toolbox para versões anteriores até a 7.

https://github.com/docker-archive/toolbox/blob/master/docs/toolbox_install_windows.md

Caso a instalação/configuração do Docker apresente problemas siga os passos no site:

<https://learn.microsoft.com/pt-pt/windows/wsl/install-manual#step-4---download-the-linux-kernel-update-package>

10. Criando container do Adabas no Docker

Com o Docker instalado e configurado, abra o cmd ou o powershell e digite o seguinte comando:

```
docker run -d -p 60001:60001 -p 8190:8190 -e ACCEPT_EULA=Y -e ADADBID=12 -e  
ADA_DB_CREATION=demodb --name adabas-db softwareag/adabas-ce:<version>
```

substitua <version> pela versao do Adabas mais recente. Nesse momento usaremos a versao 7.1.1

Primeiro devemos criar o container do Adabas, logo após o do Natural, nessa ordem.

11. Criando container do Natural no Docker

```
docker run -d -p 2700:2700 --add-host adabas-db:<OWN-IP> -e ACCEPT_EULA=Y --  
name natural-ce softwareag/natural-ce:9.2.1
```

em <OWN-IP> colocar o ip da maquina que esta usando ou no caso de usar uma maquina virtual, colocar o ip da maquina virtual.

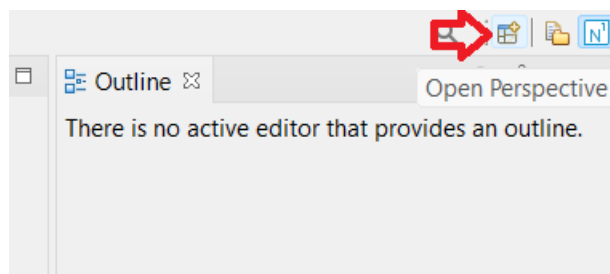
12. Para mais informações a respeito do processo de instalação e configuração da IDE NaturalONE Community Edition acesse o link:

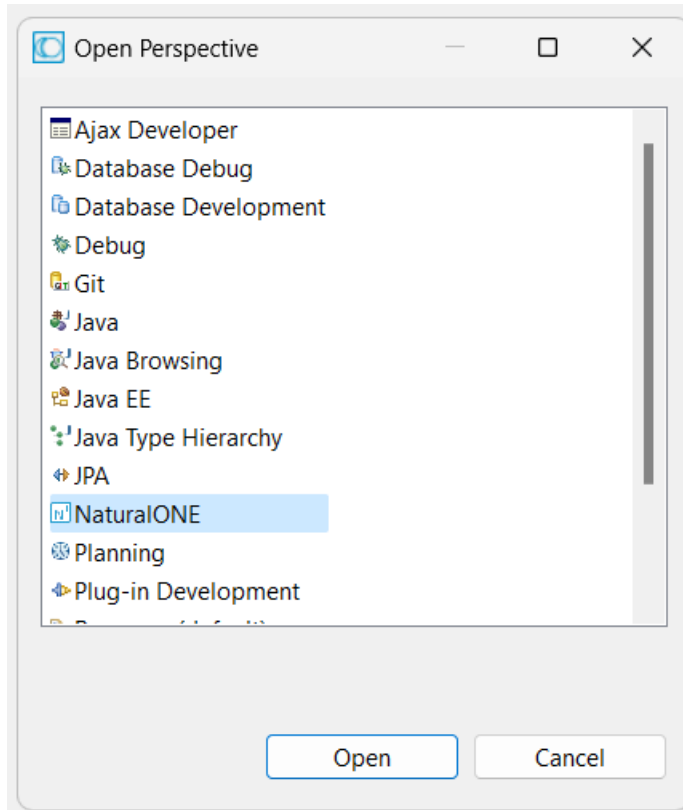
https://softwareag-usa.s3.amazonaws.com/Adanat_Docker/AN+Community+Edition+Guide.pdf

13. Ao descompactar o NaturalONE, entre na pasta e clique no arquivo Start_One_9.2.1.CE para abrir a IDE.

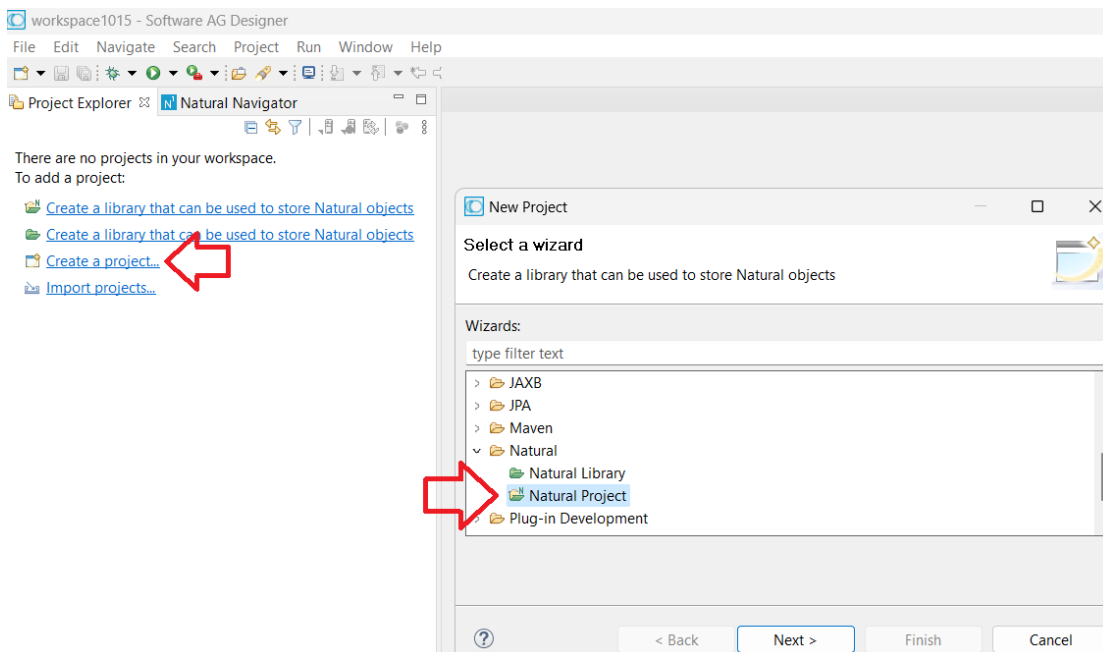
Nome	Data de modificação	Tipo
\$WinREAgent	27/05/2023 15:36	Pasta de arquivos
app	20/05/2023 10:20	Pasta de arquivos
Arquivos de Programas	27/05/2023 17:37	Pasta de arquivos
Arquivos de Programas (x86)	13/05/2023 10:37	Pasta de arquivos
Drivers	29/07/2022 12:33	Pasta de arquivos
ONE.9.2.1.CE	28/05/2023 11:21	Pasta de arquivos
OneDriveTemp	06/05/2023 19:23	Pasta de arquivos
OracleXE213_Win64	20/05/2023 10:16	Pasta de arquivos
PerfLogs	07/05/2022 01:24	Pasta de arquivos
ProgramData	27/05/2023 17:37	Pasta de arquivos
Recovery	07/05/2023 13:25	Pasta de arquivos
sqldeveloper-23.1.0.097.1607-x64	20/05/2023 10:46	Pasta de arquivos
Usuários	07/05/2023 13:25	Pasta de arquivos
Windows	27/05/2023 17:53	Pasta de arquivos
ONE.9.2.1.CE	27/05/2023 17:03	Pasta compactada

14. No canto superior direito clique no ícone Open Perspective. Uma janela irá abrir e você deverá escolher NaturalONE.

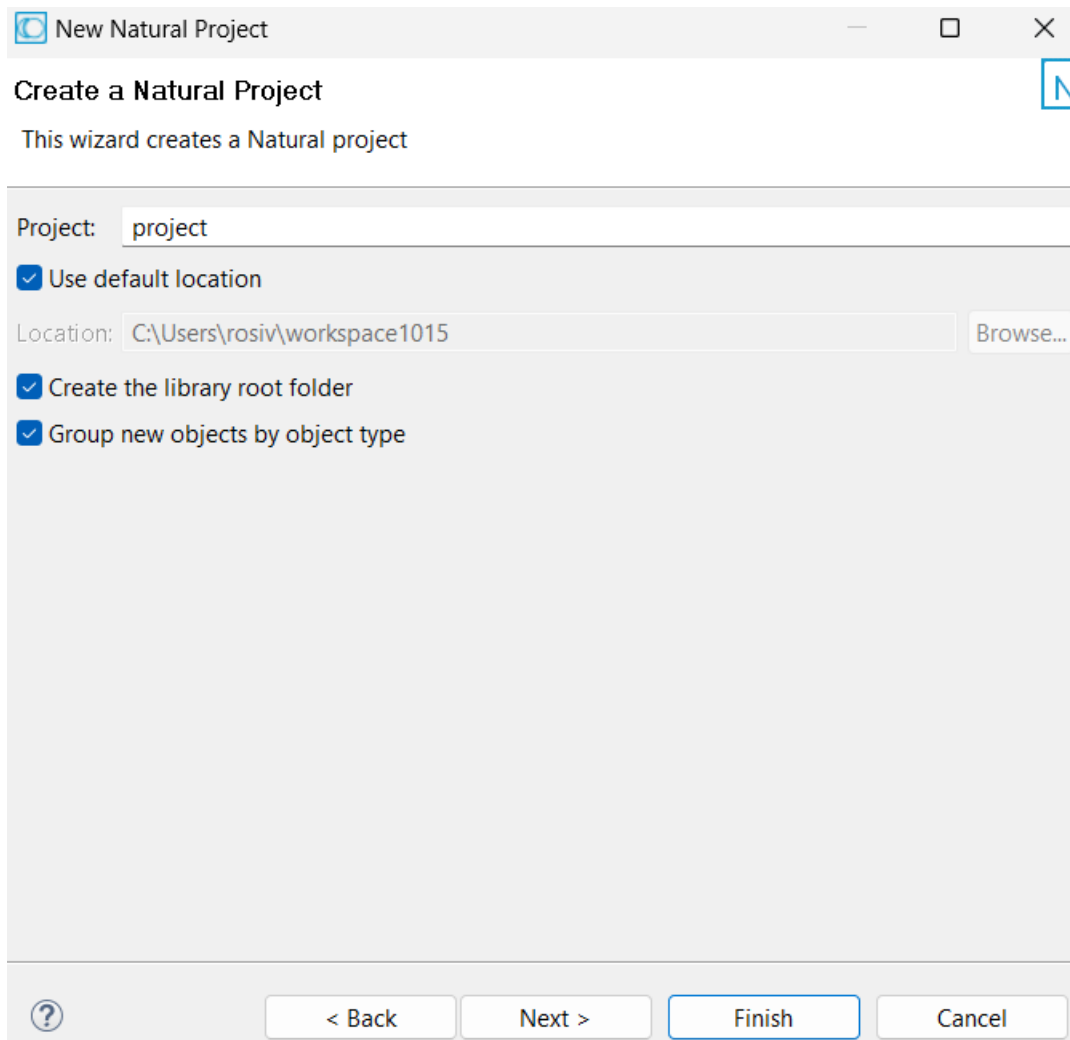




15. Clique em "Create a project", em seguida escolha "Natural Project" e clique em "Next".



16. Dê um nome para o seu projeto e marque a ultima caixinha "Group new objects by object type".



New Natural Project

Create a Natural Project

This wizard creates a Natural project

Project: project

☒ Use default location

Location: C:\Users\rosiv\workspace1015 Browse...

☒ Create the library root folder

☒ Group new objects by object type

? < Back Next > Finish Cancel

17. Em "Host name:" preencha localhost ou coloque o ip da maquina virtual caso esteja usando uma (se você estiver baixado o Docker toolbox para windows 7).

New Natural Project

Create a Natural Project

Modify connection settings.

☒ Use local Natural runtime

☒ Use Natural server:

Natural server connection

Host name:

Port number:

Startup


Session parameters:

User ID:

Password:

Security

☐ Use SSL/TLS

 < Back Next > Finish Cancel

18. Na tela Steplibs, preencha SYSTEM e em seguida clique em Add. Irá abrir outra telinha.

New Natural Project

Create a Natural Project

Modify environment settings.

Steplibs

*STEPLIB: SYSTEM Private-mode name:

#	Name	Private-mode N...	DBID	FNR
1				
2				
3				
4				
5				
6				
7				
8				

Add
Modify
Delete
Up
Down
Clear

Generate Private-mode Names

< Back Next > Finish Cancel

19. Em "Library name:" escreva "SYSEXDDM" e pressione OK. Após essas etapas clique em "Finish".

Add New Steplib

Library name: SYSEXDDM

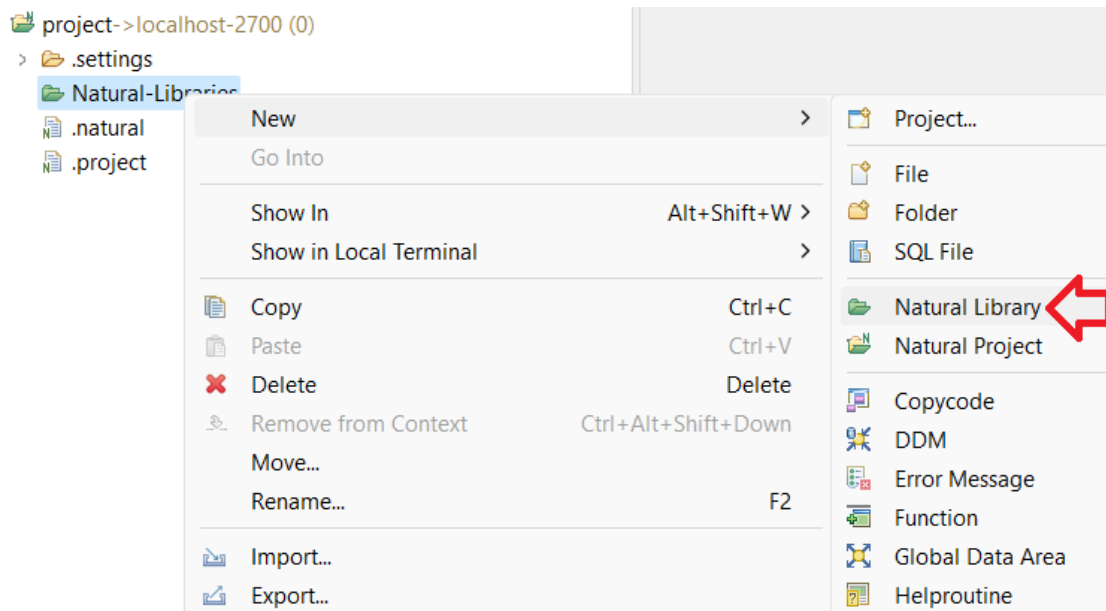
Private-mode name: Generate

DBID:

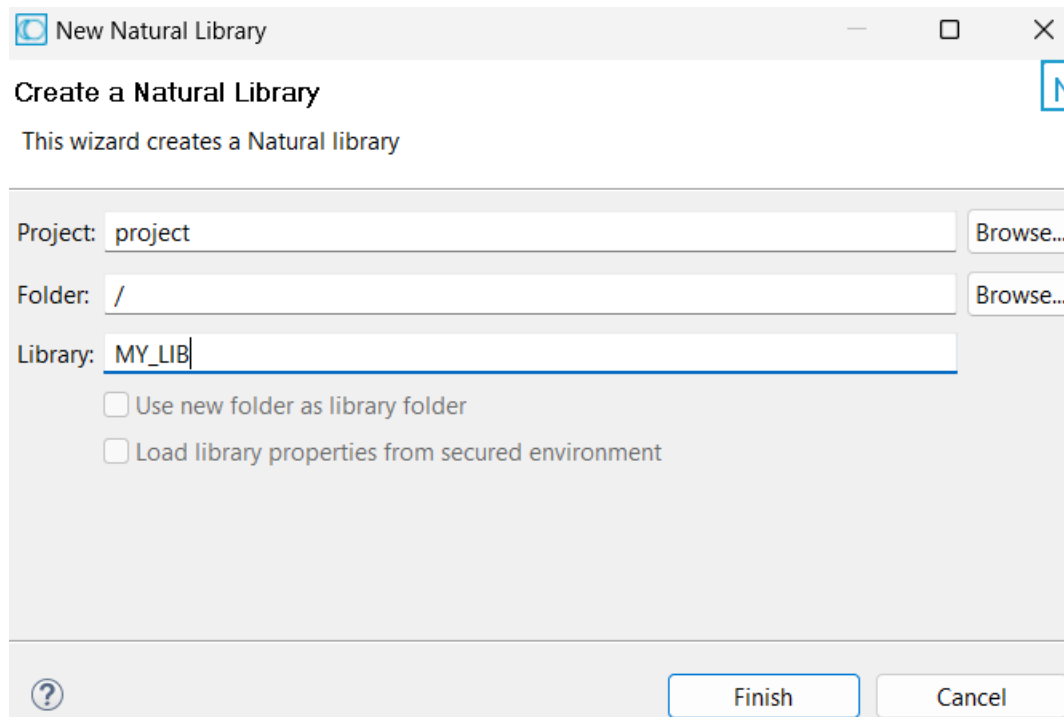
FNR:

OK Cancel

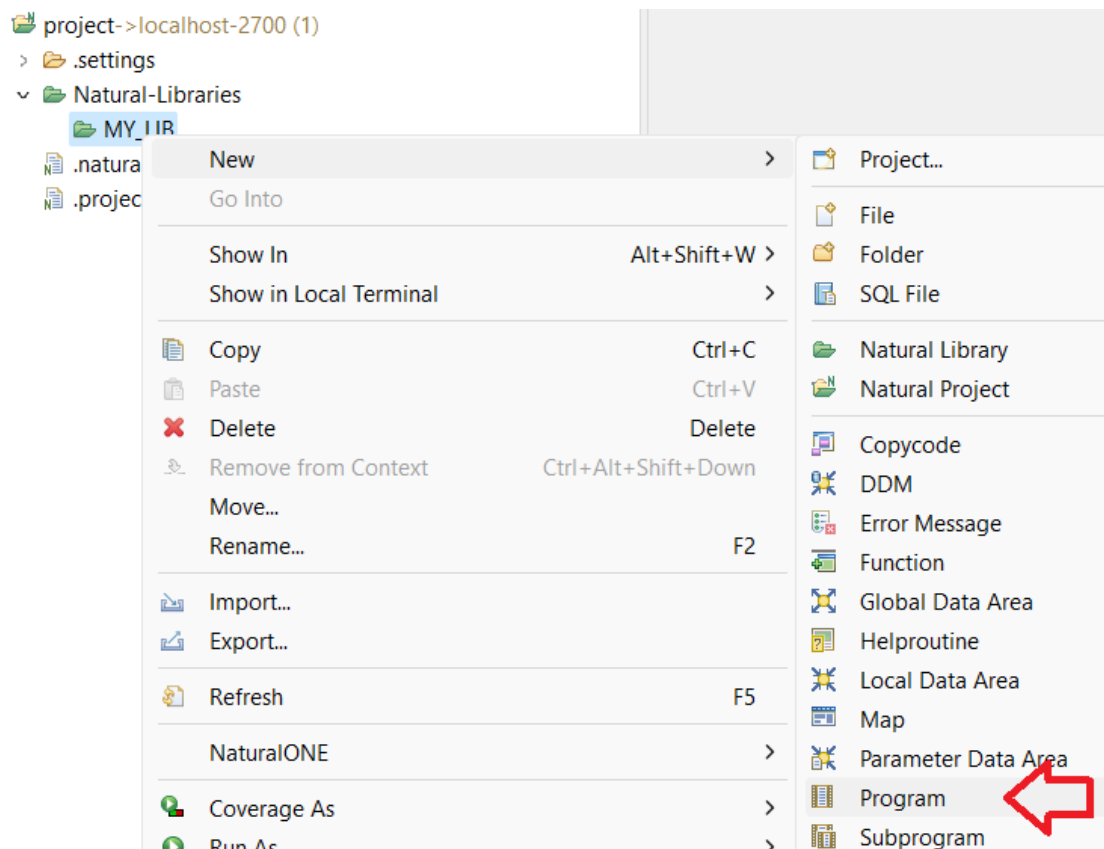
20. Pronto! Agora temos o nosso primeiro projeto. Iremos testar um programa básico "hello world". Primeiro devemos criar uma biblioteca.



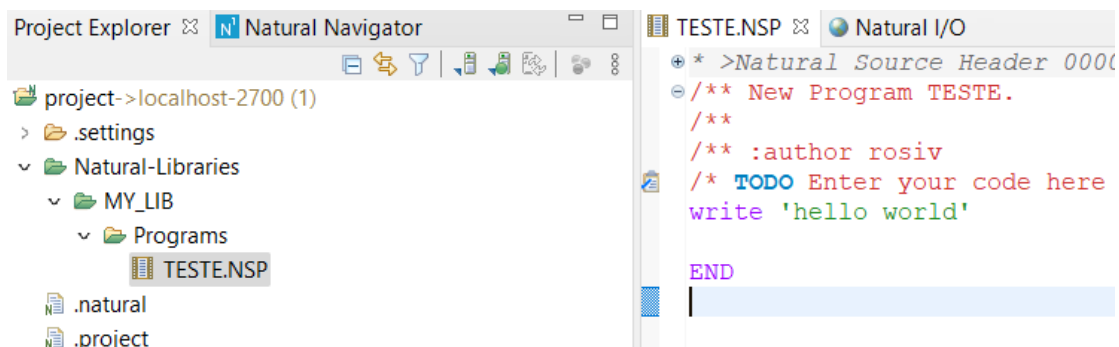
21. Daremos o nome de "MY_LIB" e clicamos em Finish.

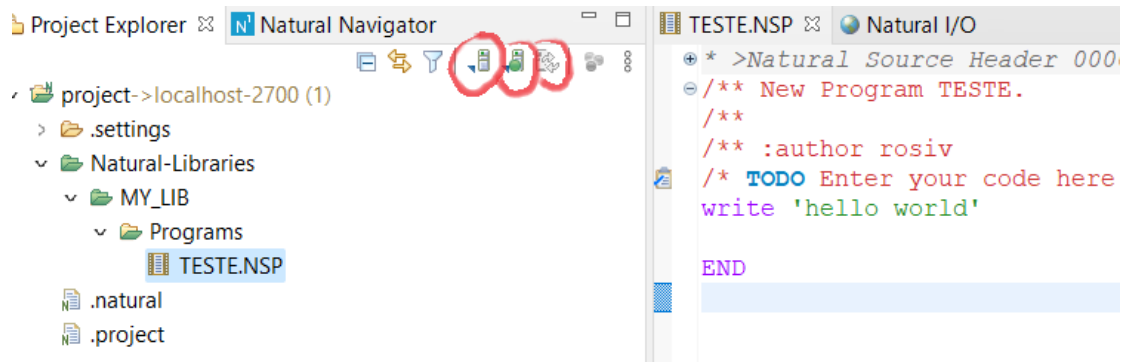


22. Na lib criada, criamos um programa.

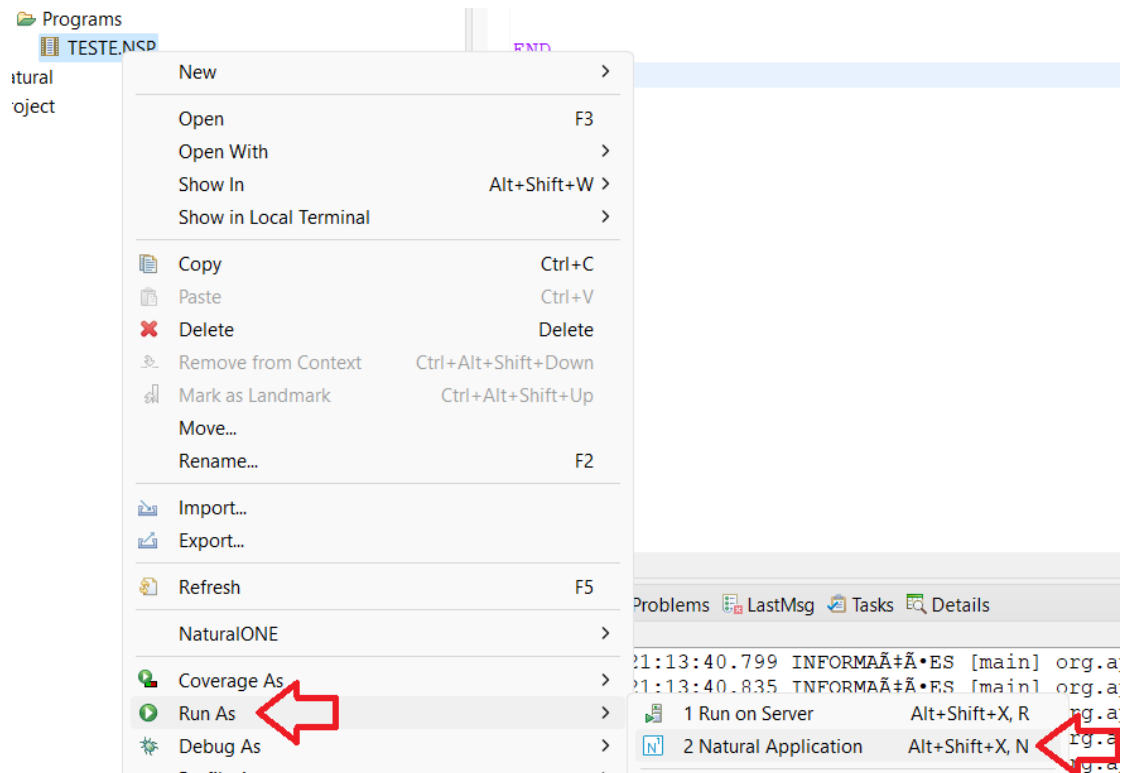


23. Criaremos um simples olá mundo. Antes de executar o programa devemos, com o programa selecionado, pressionar os 3 botões na seguinte sequência: update, upload e build.

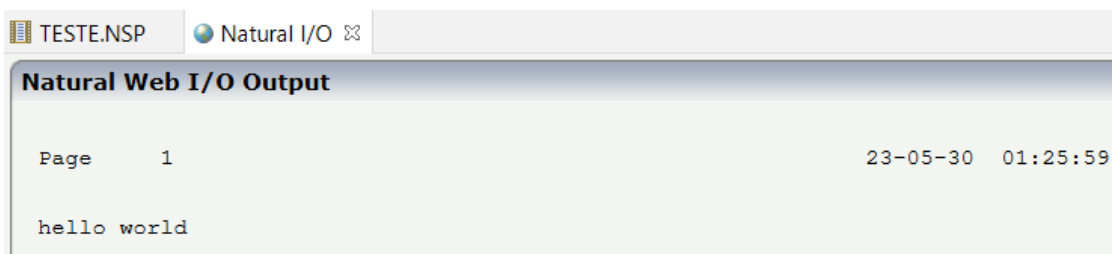




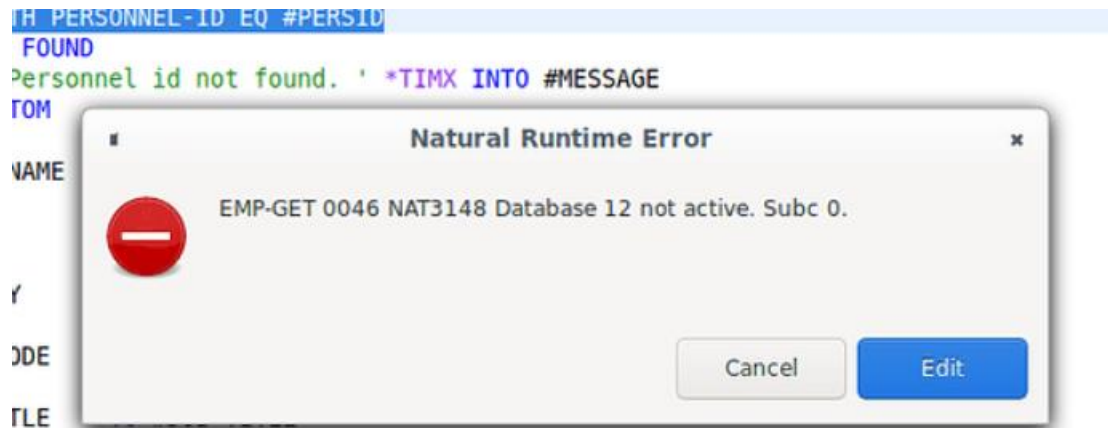
24. Para executar o programa, clicamos com o botão direito em cima do programa, logo em seguida "Run As" e depois "Natural Application".



25. Temos o nosso primeiro programa.



26. Como resolver o erro NAT3148.



Solução: <https://tech.forums.softwareag.com/t/cant-access-to-database-from-ide-eclipse/227329>

Outra Solução:

Natural runtime cannot connect to Adabas running in a container

You can connect to the Natural container on port 2700, but Natural applications running in the container cannot connect to the Adabas database, and you are getting error code 3148. Check first if you have a firewall running on your host machine that is blocking port 60001. Ensure that this port can be reached in your environment. If this is not the case, it is possible that you have a loopback address access problem in your configuration so that Natural cannot access the Adabas network on port 60001 through the external IP address. You could fix this problem using a Docker network while starting your containers. To do so, first stop and remove the already started Adabas and Natural Docker containers. Change your Quickstart commands to the following three commands:

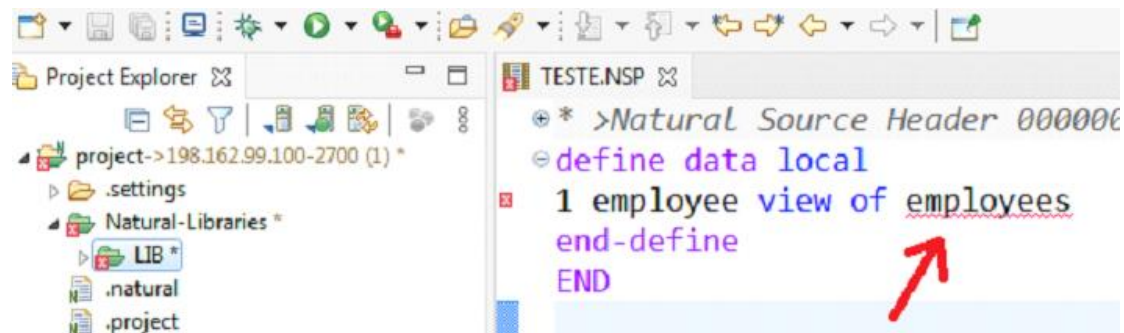
```
docker network create adabas_natural
```

```
docker run -d -e ACCEPT_EULA=Y -e ADADBID=12 -e "ADA_DB_CREATION=demodb" --network adabas_natural --name ADABAS-DB softwareag/adabas-ce:<version>
```

```
docker run -d -p 2700:2700 --network adabas_natural -e ACCEPT_EULA=Y --name natural-ce softwareag/natural-ce:<version>
```

27. Usando o banco de dados de exemplo employees

Após criar a lib e o programa, dentro do bloco “define data local”, digite o comando abaixo para usar de fato o banco de exemplo. Segure a tecla “ctrl” e clique em cima de “employee”.



```

>Natural Source Header 000006
define data local
1 employee view of employees
end-define
END
  
```

O seguinte arquivo será aberto:

Type	Level	Short...	Name	Format
	1	AA	PERSONNEL-ID	A
*			CNNNNNNNN	
*			C=COUNTRY	
G	1	AB	FULL-NAME	
	2	AC	FIRST-NAME	A
	2	AD	MIDDLE-I	A
	2	AE	NAME	A
	1	AD	MIDDLE-NAME	A
	1	AF	MAR-STAT	A
*			M=MARRIED	
*			S=SINGLE	
*			D=DIVORCED	
*			W=WIDOWED	
	1	AG	SEX	A
	1	AH	BIRTH	D
	1	AH	N@BIRTH	I
G	1	A1	FULL-ADDRESS	
M	2	AI	ADDRESS-LINE	A