

IES VIRGEN DE LA PALOMA

Sistemas Informáticos

UT_02_P6

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Maquina Linux conectada por VNC



Entorno BBDD con MySQL y PHP Admin

```
Administrator: Símbolo del sistema
[+] Running 4/4
✓ Network phpadmin-mysql_default  Created      0.0s
✓ Volume phpadmin-mysql_db_data   Created      0.0s
✓ Container mysql-dev-bbdd       Started      4.8s
✓ Container phpmyadmin-dev-gui  Started      0.6s
C:\Users\MA19-PC09\Desktop\ DAM\Sistemas Informaticos\repoPhPAdmi_MySQL\PhPAdmin-MySQL>

Aulas Virtuales | EducaM... | TAMM-Si A - UT 2.6 - Te... | TAMM-Si A - UT 2.6 - Te... | TAMM-Si UT2.3.7 - DOCK... | jmcero07/Web-Full-Stack | jmcero07/Python-VSCo... | jmcero07/PhPAdmin-M... | phpMyAdmin
localhost:8082
EducaMadrid Google
phpMyAdmin
Bienvenido a phpMyAdmin
Idioma (Language)
Español - Spanish
Iniciar sesión
Usuario: _____
Contraseña: _____
Iniciar sesión
12:25
03/12/2025
```

The screenshot shows the phpMyAdmin configuration interface. It includes sections for 'Configuraciones generales' (General configurations) and 'Configuraciones de apariencia' (Appearance configurations). On the right, there are sections for 'Servidor de base de datos' (Database server), 'Servidor web' (Web server), and 'phpMyAdmin' (phpMyAdmin version information). A note at the bottom left states: 'El almacenamiento de configuración phpMyAdmin no está completamente configurado, algunas funcionalidades extendidas fueron deshabilitadas. [Averigüe por qué](#)'.

```
C:\ Administador: Símbolo del sistema - docker exec -it mysql-dev-bbdd bash
C:\Users\MA19-PC09\Desktop\DM\Sistemas Informaticos\repoPhPAdmi_MySQL\PhPAdmin-MYSQL>docker exec -it mysql-dev-bbdd ba | sh
bash-5.1# mysql -u devuser -p mi_bbdd_dev
Enter password:
ERROR 1045 (28000): Access denied for user 'devuser'@'localhost' (using password: YES)
bash-5.1# mysql -u devuser -p mi_bbdd_dev
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 67
Server version: 8.0.44 MySQL Community Server - GPL

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE TABLE productos (
    ->     id INT AUTO_INCREMENT PRIMARY KEY,
    ->     nombre VARCHAR(100) NOT NULL,
    ->     precio DECIMAL(10, 2)
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO productos (nombre, precio) VALUES ('Laptop Dev', 1200.50);
Query OK, 1 row affected (0.01 sec)
```

```
C:\ Administador: Símbolo del sistema - docker exec -it mysql-dev-bbdd bash
-> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO productos (nombre, precio) VALUES ('Laptop Dev', 1200.50);
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM productos;
+----+-----+-----+
| id | nombre | precio |
+----+-----+-----+
| 1 | Laptop Dev | 1200.50 |
+----+-----+-----+
1 row in set (0.00 sec)

mysql> -
```

Entorno desarrollo Web de Integración Continua - Frontend/Backend

```
C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>docker ps --filter "publish=8080"
CONTAINER ID   IMAGE      COMMAND     CREATED    STATUS      PORTS      NAMES
C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>docker ps --format "table {{.Names}}\t{{.Ports}}"
NAMES          PORTS
web_backend_ci  0.0.0.0:3000->3000/tcp, [::]:3000->3000/tcp

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>docker ps --format "table {{.ID}}\t{{.Names}}\t{{.Ports}}"
CONTAINER ID   NAMES          PORTS
f4c75cfddaa8  web_backend_ci  0.0.0.0:3000->3000/tcp, [::]:3000->3000/tcp

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>netstat -ano | findstr :8080
TCP    0.0.0.0:8080        0.0.0.0:0          LISTENING      7260
TCP    [::]:8080           [::]:0            LISTENING      7260

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>tasklist | findstr 7260
AgentService.exe      7260 Services          0      3.872 KB

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>docker compose up -d
time="2025-12-03T11:07:53+01:00" level=warning msg="C:\\\\Users\\\\M.A19-PC09\\\\Desktop\\\\DAM\\\\Sistemas Informaticos\\\\repoFullStack\\\\Web-Full-Stack\\\\docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 2/2
  ✓ Container web_backend_ci  Running
  ✓ Container web_frontend_dev Started
  0.0s
  0.5s

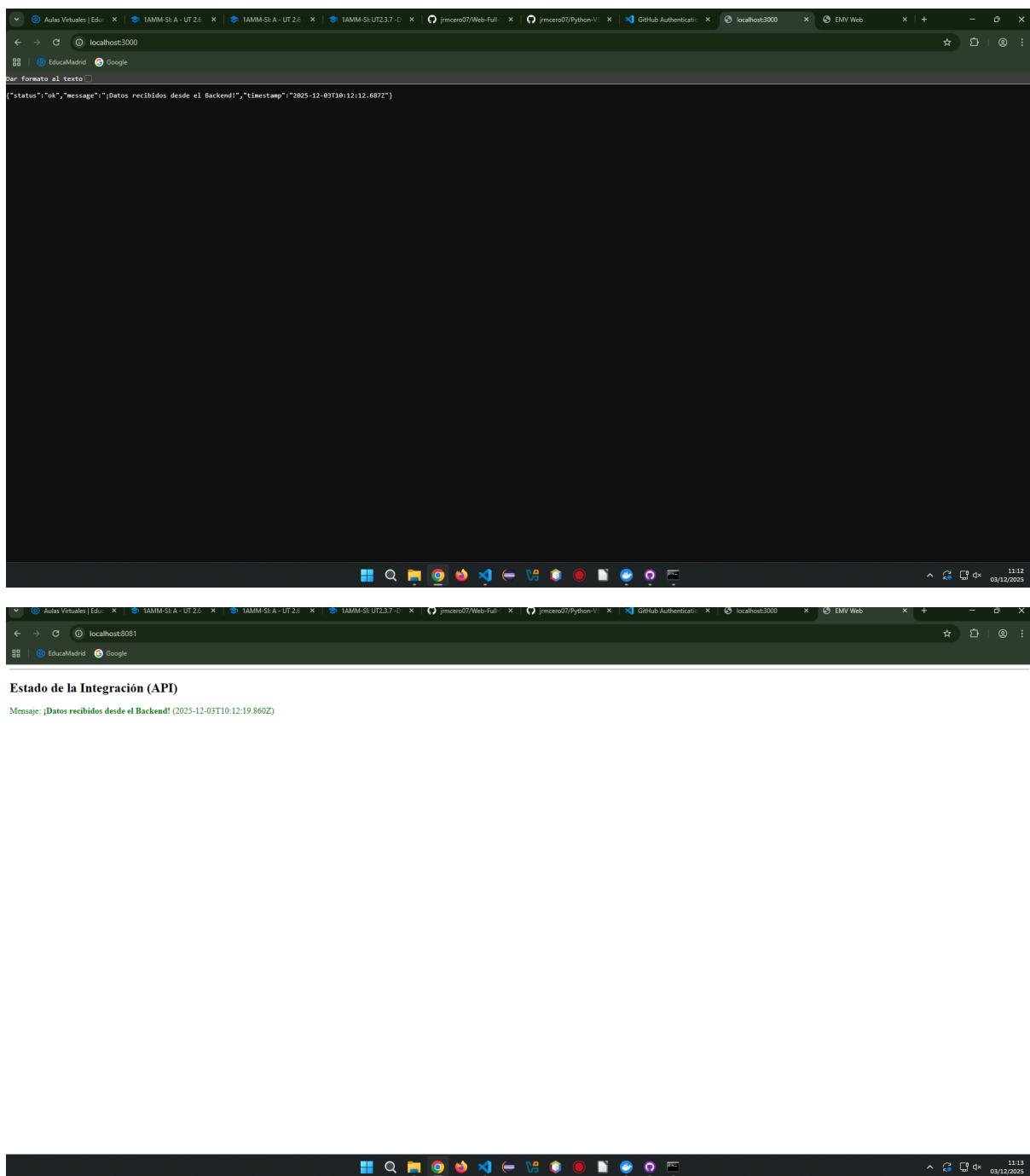
C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>
```

```
C:\Windows\System32>cd C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack

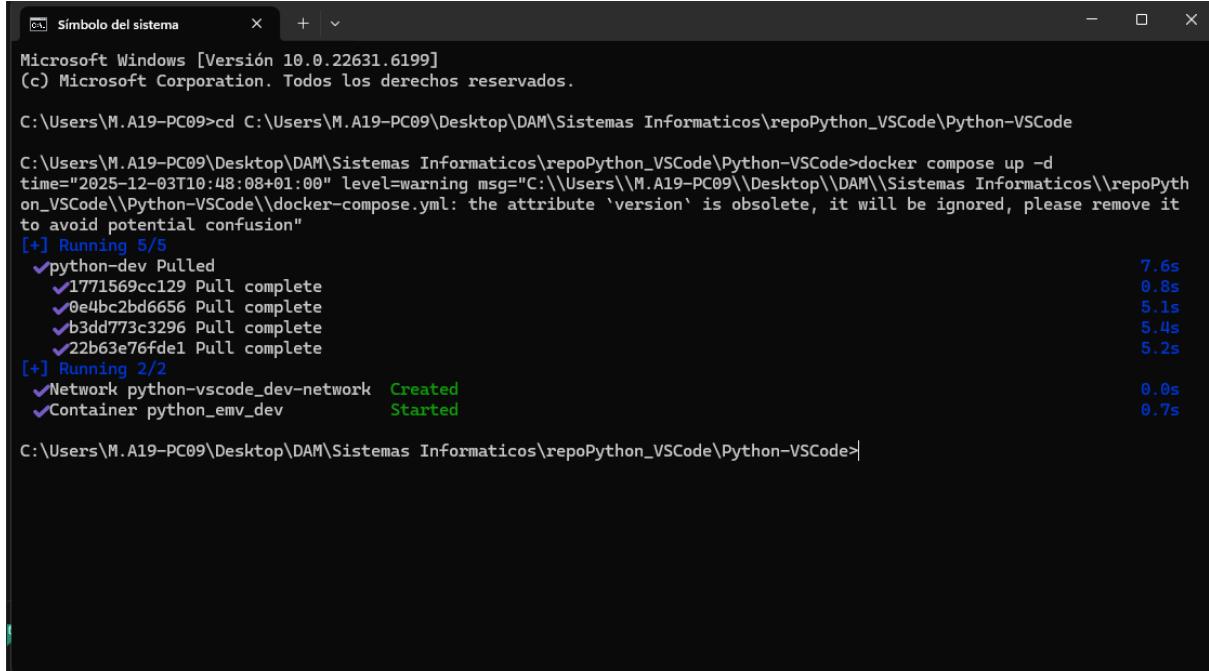
C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>docker compose restart backend
time="2025-12-03T11:11:45+01:00" level=warning msg="C:\\\\Users\\\\M.A19-PC09\\\\Desktop\\\\DAM\\\\Sistemas Informaticos\\\\repoFullStack\\\\Web-Full-Stack\\\\docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Restarting 1/1
  ✓ Container web_backend_ci  Started
  1.7s

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoFullStack\Web-Full-Stack>
```

ambos servicios interconectados



Entorno de desarrollo con Python

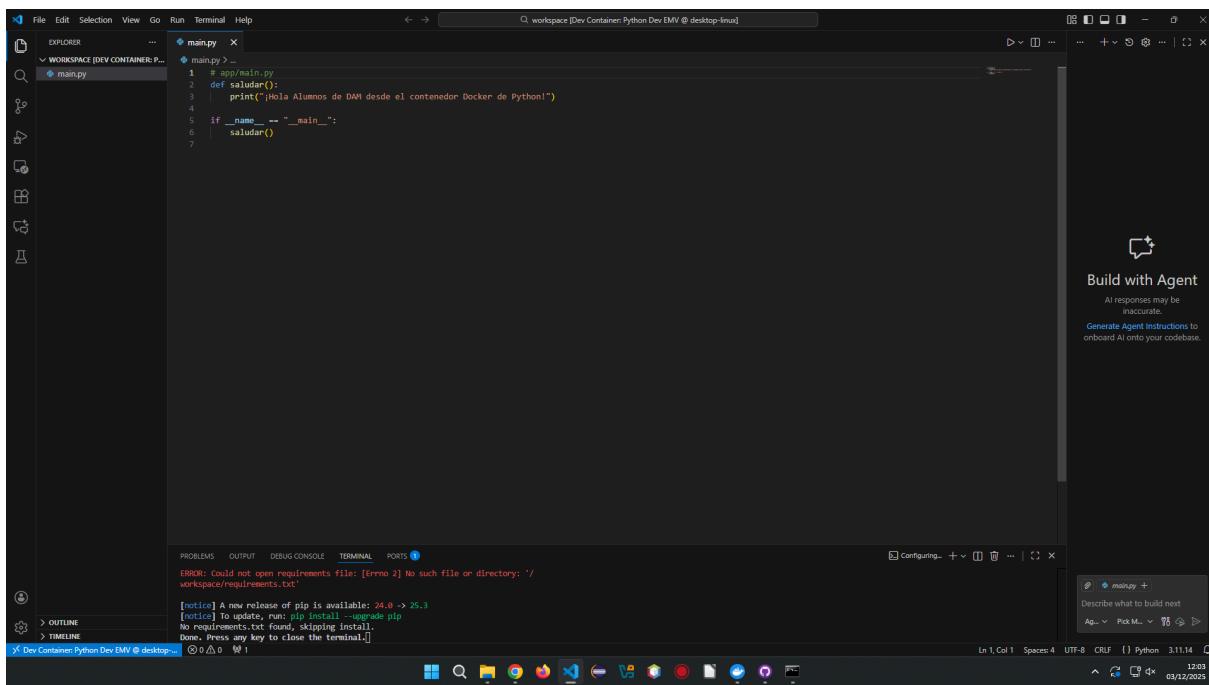


```
Microsoft Windows [Versión 10.0.22631.6199]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\M.A19-PC09>cd C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoPython_VSCode\Python-VSCode

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoPython_VSCode\Python-VSCode>docker compose up -d
time="2025-12-03T10:48:08+01:00" level=warning msg="C:\\\\Users\\\\M.A19-PC09\\\\Desktop\\\\\\DAM\\\\Sistemas Informaticos\\\\repoPython_VSCode\\\\docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 5/5
  ✓ python-dev Pulled
    ✓ 1771569cc129 Pull complete   7.6s
    ✓ 0e4bc2bd6656 Pull complete  0.8s
    ✓ b3dd773c3296 Pull complete  5.1s
    ✓ 22b63e76fde1 Pull complete  5.4s
[+] Running 2/2
  ✓ Network python-vscode_dev-network  Created      0.0s
  ✓ Container python_emv_dev        Started     0.7s

C:\Users\M.A19-PC09\Desktop\ DAM\Sistemas Informaticos\repoPython_VSCode\Python-VSCode>
```



The screenshot shows the Visual Studio Code (VS Code) interface. On the left, the Explorer sidebar displays a workspace named "Dev Container: Python Dev EMV @ desktop-linux". Inside the workspace, there is a folder named "main.py" which contains the following code:

```
1 # app/main.py
2 def saludar():
3     print("Hola Alumnos de DAM desde el contenedor Docker de Python!")
4
5 if __name__ == "__main__":
6     saludar()
```

Below the code editor, the Terminal tab is active, showing the command line interface. It displays an error message about a missing requirements file:

```
ERROR: could not open requirements file: [Errno 2] No such file or directory: '/workspace/requirements.txt'
```

It also shows a pip update notice:

```
[notice] A new release of pip is available: 26.0-> 25.3
[notice] To update, run: pip install --upgrade pip
No requirements.txt found, skipping install.
Done. Press any key to close the terminal.]
```

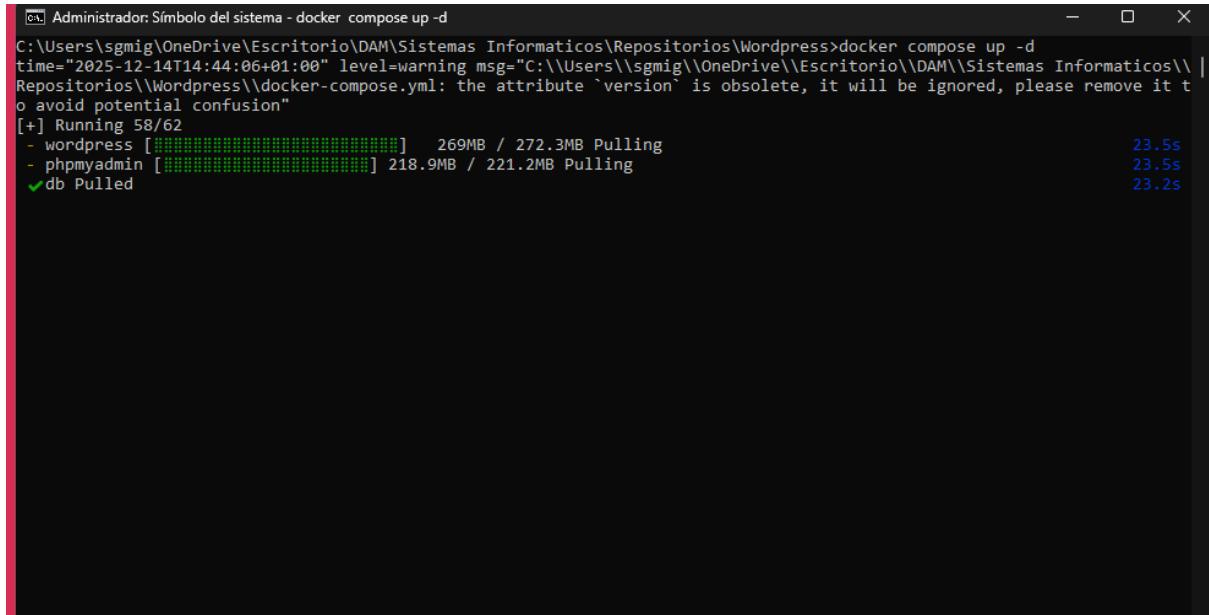
The status bar at the bottom right indicates the file is a Python script (Python 3.11.14), the current line is Line 1, Column 1, and the file was last modified on 03/12/2025 at 12:03.

The screenshot shows the Visual Studio Code interface running in a Dev Container. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates the workspace is "Dev Container: Python Dev EMV @ desktop-linux". The Explorer sidebar shows a single file named "main.py". The code editor displays the following Python script:

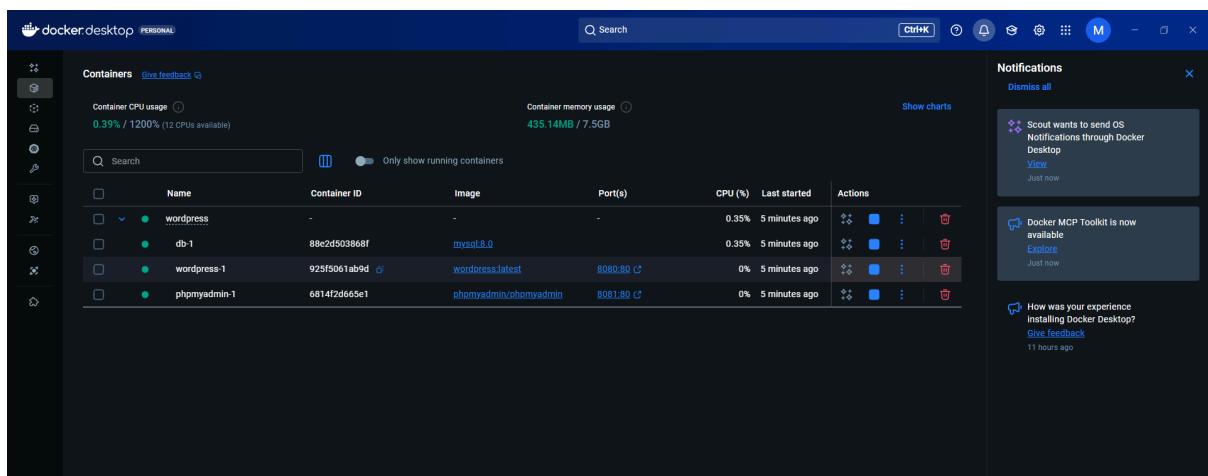
```
1 # app/main.py
2 def saludar():
3     print("Hola Alumnos de DAM desde el contenedor Docker de Python!")
4
5 if __name__ == "__main__":
6     saludar()
```

The bottom status bar shows the path "Dev Container: Python Dev EMV @ desktop-linux", status icons, and the date "03/12/2023". A "Build with Agent" panel is open on the right side, containing the message: "AI responses may be inaccurate. Generate Agent Instructions to onboard AI onto your codebase." Below this, there is a "Describe what to build next" input field and dropdown menus for "Agent" and "Pick Model".

Entorno LAMP para Wordpress



```
C:\Users\sgmig\OneDrive\Escritorio\DM\Sistemas Informaticos\Repositorios\Wordpress>docker compose up -d
time="2025-12-14T14:44:06+01:00" level=warning msg="C:\\Users\\sgmig\\OneDrive\\Escritorio\\DM\\Sistemas Informaticos\\Repositorios\\Wordpress\\docker-compose.yml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 5/6
- wordpress [███████████████████] 269MB / 272.3MB Pulling          23.5s
- phpmyadmin [███████████████████] 218.9MB / 221.2MB Pulling        23.5s
✓ db Pulled                                         23.2s
```



Hola

¡Este es el famoso proceso de instalación de WordPress en cinco minutos! Simplemente completa la información siguiente y estarás a punto de usar la más enriquecedora y potente plataforma de publicación personal del mundo.

Información necesaria

Por favor, proporciona la siguiente información. No te preocupes, siempre podrás cambiar estos ajustes más tarde.

Título del sitio	<input type="text"/>
Nombre de usuario	<input type="text"/>
Contraseña	<input type="password"/> mR80v0Zsq2K3rpnV Ocultar
Importante: Necesitas esta contraseña para acceder. Por favor, guárdala en un lugar seguro.	
Tu correo electrónico	<input type="text"/>
Comprueba bien tu dirección de correo electrónico antes de continuar.	
Visibilidad en los motores de búsqueda	<input type="checkbox"/> Pedir a los motores de búsqueda que no indexen este sitio Depende de los motores de búsqueda atender esta petición o no.

Instalar WordPress

Recientes | Favoritas

Nueva

Information_schema

mysql

performance_schema

sys

wordpress_db

- Nueva
- wp_commentmeta
- wp_comments
- wp_links
- wp_options
- wp_postmeta
- wp_posts
- wp_terms
- wp_term_relationships
- wp_term_taxonomy
- wp_termmeta
- wp_posts
- wp_users

Estructura SQL Buscar Generar una consulta Exportar Importar Operaciones Privilegios Rutinas Eventos Disparadores Diseñador

Filtros

Que contengan la palabra:

Tabla	Acción	Filas	Tipo	Cotejamiento	Tamaño	Residuo a depurar
wp_commentmeta	Examinar Estructura Buscar Insertar Vaciar Eliminar	0	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_comments	Examinar Estructura Buscar Insertar Vaciar Eliminar	1	InnoDB	utf8mb4_unicode_520_ci	96,0 KB	-
wp_links	Examinar Estructura Buscar Insertar Vaciar Eliminar	0	InnoDB	utf8mb4_unicode_520_ci	32,0 KB	-
wp_options	Examinar Estructura Buscar Insertar Vaciar Eliminar	150	InnoDB	utf8mb4_unicode_520_ci	288,0 KB	-
wp_postmeta	Examinar Estructura Buscar Insertar Vaciar Eliminar	2	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_posts	Examinar Estructura Buscar Insertar Vaciar Eliminar	4	InnoDB	utf8mb4_unicode_520_ci	96,0 KB	-
wp_termmeta	Examinar Estructura Buscar Insertar Vaciar Eliminar	0	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_terms	Examinar Estructura Buscar Insertar Vaciar Eliminar	1	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_term_relationships	Examinar Estructura Buscar Insertar Vaciar Eliminar	1	InnoDB	utf8mb4_unicode_520_ci	32,0 KB	-
wp_term_taxonomy	Examinar Estructura Buscar Insertar Vaciar Eliminar	1	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_termmeta	Examinar Estructura Buscar Insertar Vaciar Eliminar	18	InnoDB	utf8mb4_unicode_520_ci	48,0 KB	-
wp_posts	Examinar Estructura Buscar Insertar Vaciar Eliminar	1	InnoDB	utf8mb4_unicode_520_ci	64,0 KB	-
wp_users	Examinar Estructura Buscar Insertar Vaciar Eliminar	179	InnoDB	utf8mb4_unicode_520_ci	816,0 KB	0 B

12 tablas Número de filas

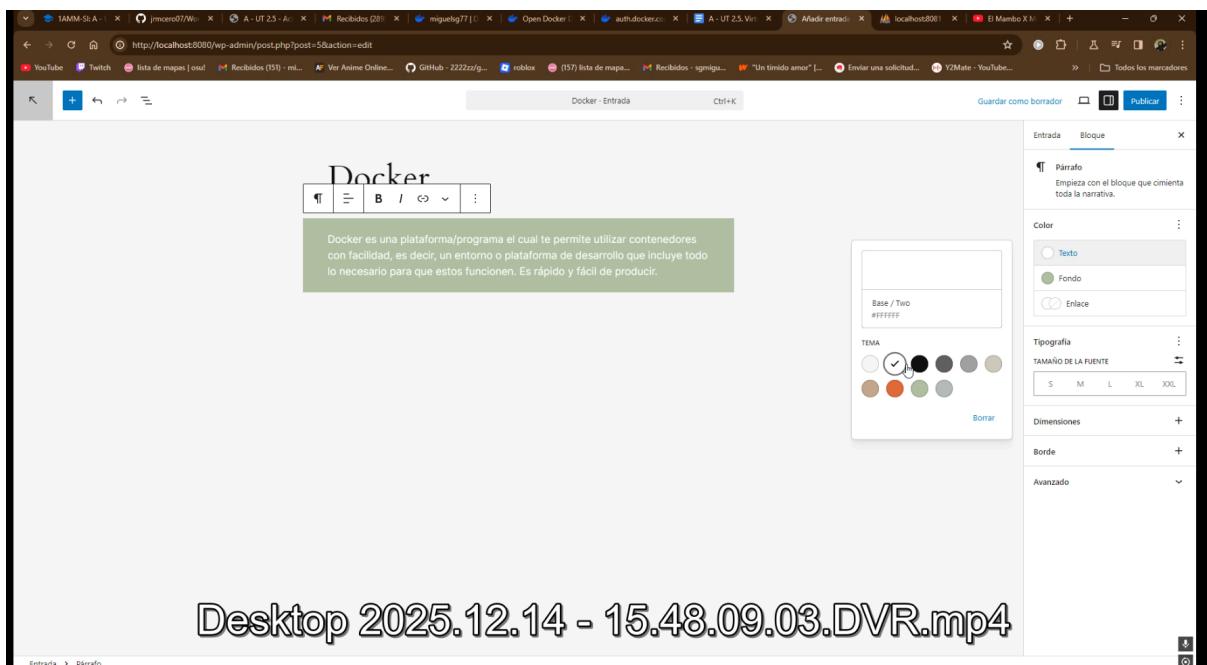
Seleccionar todo Para los elementos que están marcados:

Imprimir Diccionario de datos

Crear nueva tabla

Nombre de la tabla Número de columnas

4 Crear



Desktop 2025.12.14 - 15.48.09.03.DVR.mp4

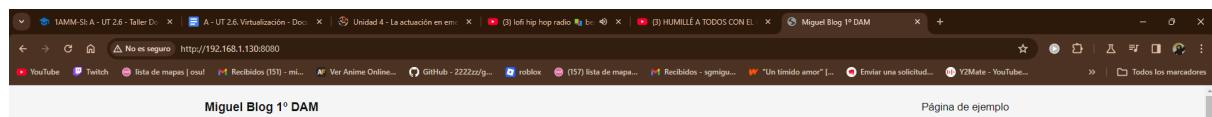
Título	Autor	Categorías	Etiquetas	Fecha
Docker	admin	Sin categoría	—	Publicada 14/12/2025 a las 15:47
jHola, mundo!	admin	Sin categoría	—	Publicada 14/12/2025 a las 14:49

Título	Autor	Categoría	Fecha
Docker	admin	Sin categoría	Dic 14, 2025
jHola, mundo!	admin	Sin categoría	Dic 14, 2025

Docker

Dic 14, 2025 — by admin in Sin categoría

Docker es una plataforma/programa el cual te permite utilizar contenedores con facilidad, es decir, un entorno o plataforma de desarrollo que incluye todo lo necesario para que estos funcionen. Es rápido y fácil de producir.



Miguel Blog 1º DAM

Página de ejemplo

A commitment to innovation and sustainability

Études is a pioneering firm that seamlessly merges creativity and functionality to redefine architectural excellence.

[About us](#)

