

Laboratorio 7: ThinkgSpeak y Node-Red



JThingSpeak

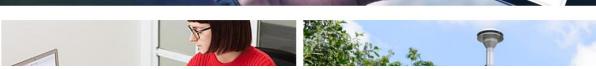
Cuenta de ThingSpeak

y hacer clic en "Sign In".

ThingSpeak es una plataforma IoT para agregar, visualizar y analizar información en la nube.

1.- Acceder a: <u>IoT Analytics - ThingSpeak Internet of Things</u>







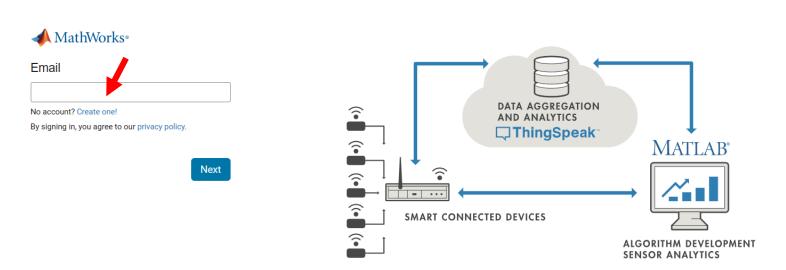
2.- Hacer clic en "Create one!".



To use ThingSpeak, you must sign in with your existing MathWorks account or create a new one.

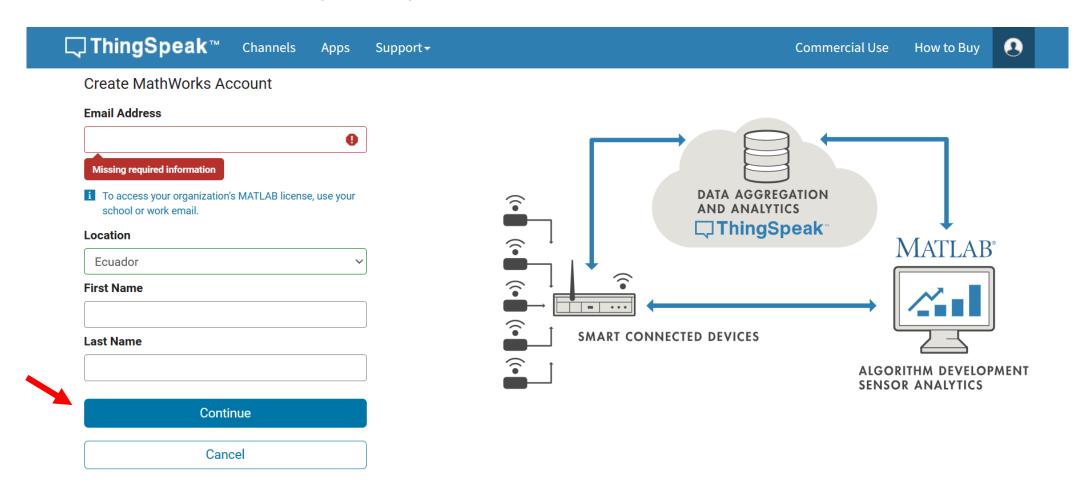
Non-commercial users may use ThingSpeak for free. Free accounts offer limits on certain functionality. Commercial users are eligible for a time-limited free evaluation. To get full access to the MATLAB analysis features on ThingSpeak, log in to ThingSpeak using the email address associated with your university or organization.

To send data faster to ThingSpeak or to send more data from more devices, consider the paid license options for commercial, academic, home and student usage.





3.- Llenar la información requerida y hacer clic en "Continue".





4.- Un email de confirmación debería ser enviado a su correo electrónico para confirmar la cuenta, acceder al enlace y hacer clic en "Continue".

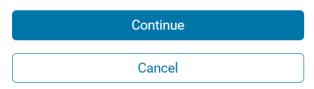
Verify Your MathWorks Account

To finish creating your account, complete the following steps:

- 1. Go to your inbox for s.trujillo@aerospacehv.com.
- 2. Click the link in the email we sent you.
- 3. Click Continue.

Didn't receive the email?

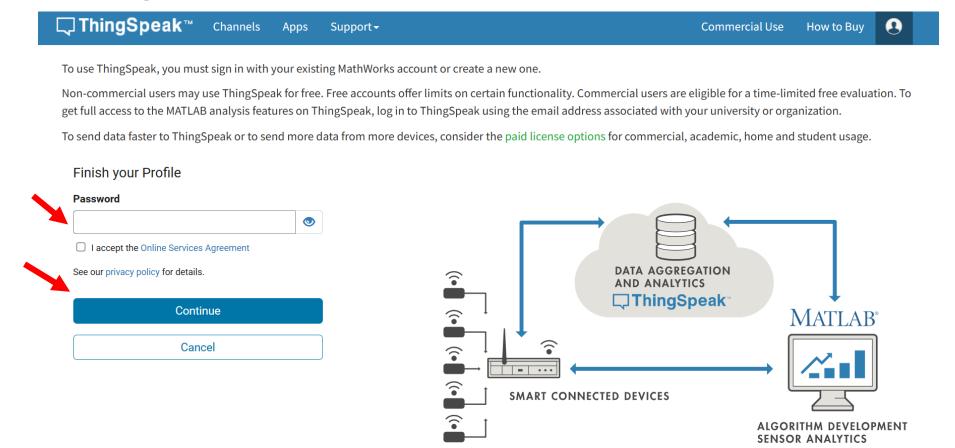
- · Check your spam folder.
- · Send me the email again.
- If you still have not received the email, Contact
- Customer Support





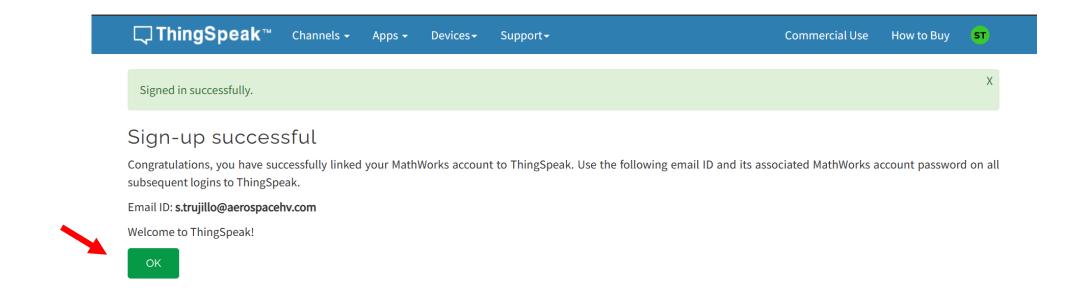


5.- Insertar una contraseña adecuada para su cuenta y hacer clic en "I accept the Online Services Agreement" y luego hacer clic en "Continue".





6.- Una vez su cuenta este creada hacer clic en "Ok" para tener acceso.





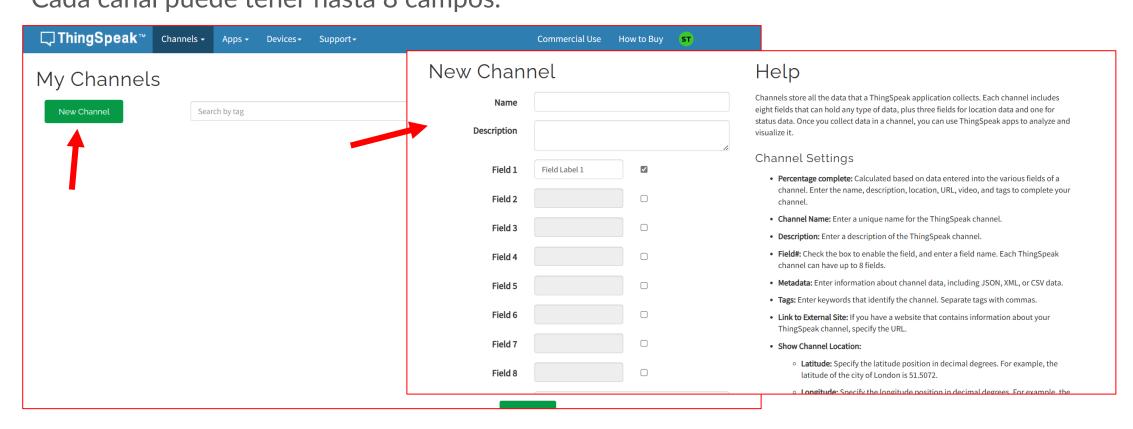
6.- Antes de comenzar ThingSpeak requiere llenar una pequeña encuesta la cual se llena y luego se hace clic en "Ok".

☐ ThingSpeak ™ Channe	ThingSpeak Usage Intent	Commercial Use How to Buy
My Channels New Channel	How are you planning to use ThingSpeak? Commercial work (including research) Government work (including research) Personal, non-commercial projects Student use, Teaching, or Research in academia	a in a ThingSpeak channel from a device, er channel, or from the web. Channel to create a new ThingSpeak
	What is the name of your University?* Enter university name here	e column headers of the table to sort by the nat column or click on a tag to show ith that tag.
	What best describes your current role?* Student Professor Researcher What is the name of your Course or Project?*	eate channels, explore and transform data. about ThingSpeak Channels.
	Enter course or lab name here Tell us something about your project (optional)	no no MKR1000 66 erry Pi ino Plus
	ОК	nd more data faster? e ThingSpeak for a commercial project?



ThingSpeak: Canales

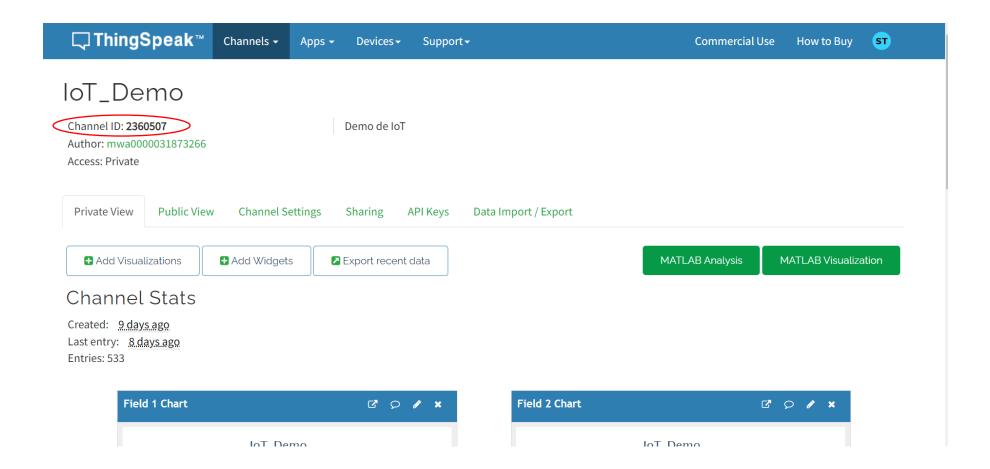
La Plataforma usa canales para recolectar información recibida de dispositivos IoT. Cada canal puede tener hasta 8 campos.





ThingSpeak: Canal

Una vez creado el canal existen opciones para configurar el canal y la visualización de los campos configurados.

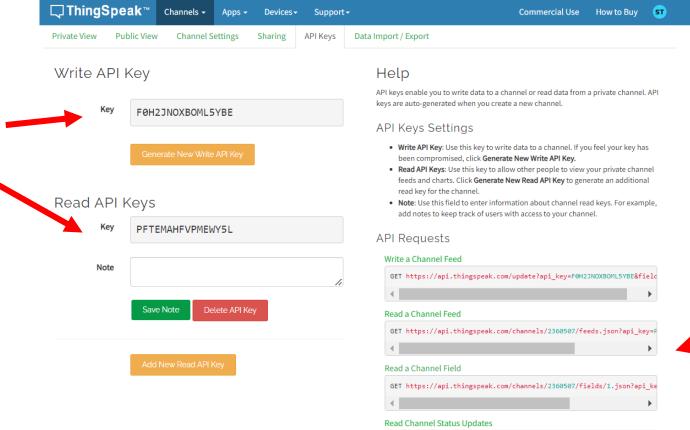


ThingSpeak: Comunicación con HTTPS



Haciendo clic en "API Keys" se puede acceder a las herramientas necesarias para transmitir información a ThingSpeak.

Llaves de seguridad para escribir o leer la información en ThingSpeak.



Learn More

GET

https://api.thingspeak.com/up date?api_key=F0H2JNOXBOML 5YBE&field1=0

GET https://api.thingspeak.com/channels/2360507/status.json?api key=

Comandos para interactuar con el canal.