

# InSyBio Suite - First Steps

October 2025

Insybio Suite v3.4



InSyBio

Intelligent Systems Biology

User Manual

[www.insybio.com](http://www.insybio.com)

# Welcome to Insybio Suite

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InSyBio Suite is an integrated platform providing tools for biological data management, secured storage and analysis based on the Cloud model of Software as a Service (SaaS).

Its present version consists of seven basic modules:

- **Interact:** a module offering preprocessing and analysis options for proteomics and interactomics biological data.
- **ncRNAseq:** a module for the analysis of RNA-Seq data and non-coding RNA molecules.
- **BioNets:** a module which enables the application of data mining techniques on gene expression datasets and biological networks.
- **Biomarkers:** a tool for the identification of biomarkers from single and multi-omics datasets combining statistics and machine learning.
- **DNA-Seq:** a tool which enables the fast and accurate pre-processing and analysis of DNA-sequencing data by non-bioinformatics experts with optimized pipelines.
- **Pipelines:** a tool that takes as input a dataset file and after performing statistical and network analytics, it uses the dataset to train a machine learning model identifying at the same time the optimal biomarkers for the trained model.
- **Data Store:** a set of tools for storing and managing biological datasets.

InSyBio Suite is offered by InSyBio LTD and incorporates in its analysis a variety of novel published computational intelligent techniques plus a new method for the functional characterization of proteins.

We will be thankful if you try out InSyBio Suite and provide us your feedback in [support@insybio.com](mailto:support@insybio.com).

In the following, the signing up and the logging in procedures are described, as well as the basic functionalities of InSyBio Suite.

# Logging in

In the login page you have to enter your email and your password and press the “Login” button.

**InSyBio** | Intelligent Systems Biology

Log In

[Forgot your password?](#)

**InSyBio Suite** delivers over Internet high-performance, user-friendly and installation free tools to biology researchers with minimum knowledge of software usage.

[Learn more about InSyBio](#)

[Want to take the InSyBio Suite for a test-drive?](#)

Sign up for a free 30 day evaluation

Fully functional  
Use your own datasets  
Requires Verification (1-2 business days)

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In case you have forgotten your password, you can click the respective link. In the page you will be redirected to, you have to enter your email and your password will be sent to you.

Password Reminder

Your e-mail \*

Submit


[Go to login form](#)

By clicking the “Learn more about InSyBio” there is an overview about the tools that InSyBio Suite delivers and the corresponding manuals.

## Welcome to InSyBio Suite

InSyBio Suite delivers over Internet high-performance, user-friendly and installation free tools to biology researchers with minimum knowledge of software usage. It is based on a series of patented or in the process of getting a patent pipelines, algorithms and tools that have been recognized and awarded by the academic community. Using InSyBio Suite, biology researchers can save time and a significant amount of money while reassuring high performance and robustness in their data analysis.


The current version of InSyBio Suite includes the following tools:

 [InSyBio Suite - First Steps Manual](#)



### InSyBio Interact


A tool offering preprocessing and analysis options for proteomics and interactomics biological data and prediction of protein interactions.

 [InSyBio Interact Manual](#)



### InSyBio ncRNAseq


A tool for the analysis of non-coding RNA molecules and extraction of biomarkers from them.

 [InSyBio ncRNAseq Manual](#)



### InSyBio BioNets


A tool which enables the application of data mining techniques on biological networks and the analysis of transcriptomics datasets for biomarker discovery.

 [InSyBio BioNets Manual](#)



### InSyBio Biomarkers


A tool for the identification of biomarkers from single and multi-omics datasets combining statistics and machine learning.

 [InSyBio Biomarkers Manual](#)



### InSyBio DNaseq


A tool which enables the fast and accurate pre-processing and analysis of DNA-sequencing data by non-bioinformatics experts with optimized pipelines.

 [InSyBio DNaseq Manual](#)



### InSyBio Pipelines


A tool that takes as input a dataset file and after performing statistical and network analytics, it uses the dataset to train a machine learning model identifying at the same time the optimal biomarkers for the trained model.

 [InSyBio Pipelines Manual](#)




### InSyBio Data Store

A set of tools for storing and managing biological datasets.

 [InSyBio Data Store Manual](#)

Corresponding version: 2.7, Date: March 2022.

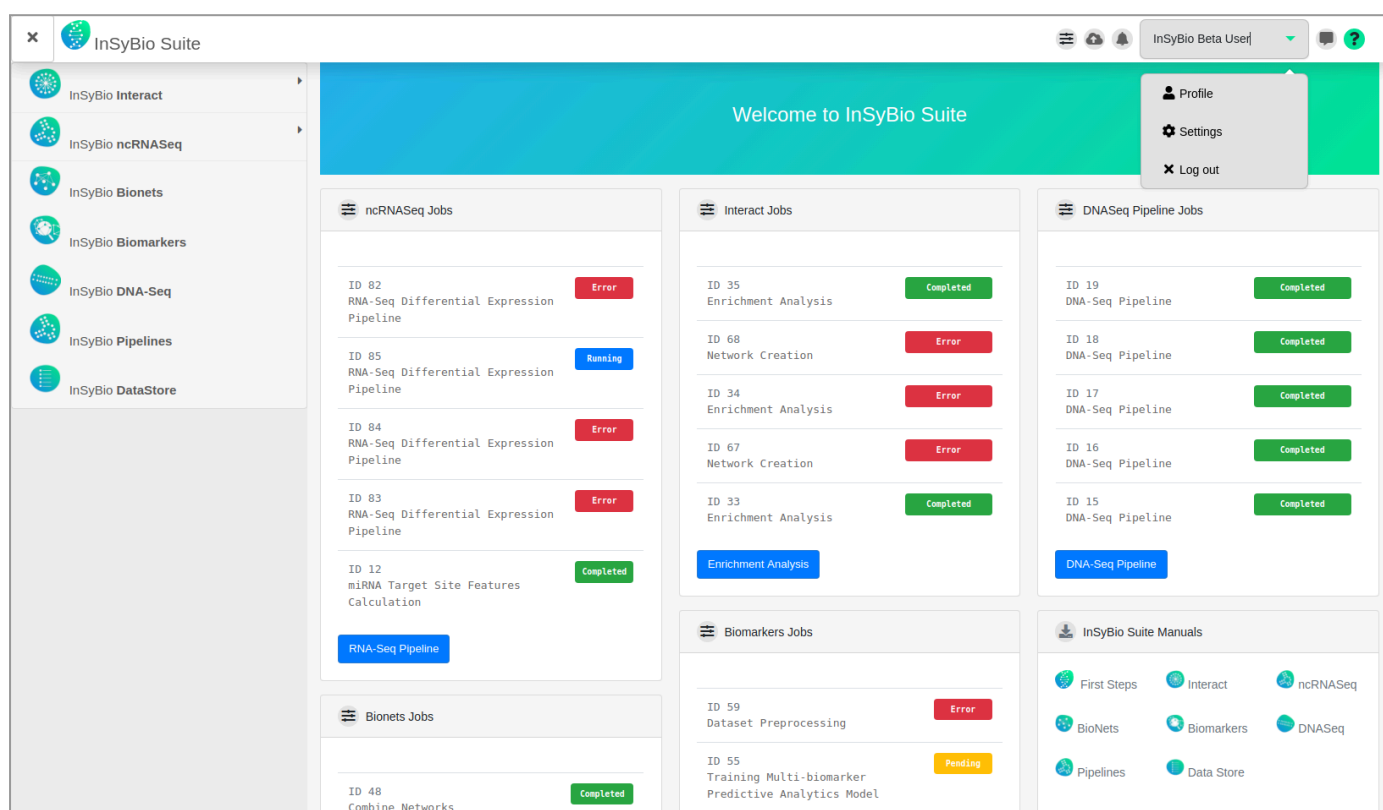
For more details about InSyBio's services and for downloading the latest white papers of InSyBio tools please visit [www.insybio.com](http://www.insybio.com) |

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# InSyBio Suite Graphical Environment

## Upper toolbar

In the upper toolbar of InSyBio Suite, pressing on your username you can update your profile, change your password, go to the settings page or logout from the account.



When updating your profile you can change your full name, address, organization and country. You cannot change your email though you can manage your email notifications.

InSyBio Suite - User Profile

InSyBio Beta User

### User Profile

Fields with \* are required.

Email\* info@insybio.com  
You cannot change your e-mail.

Name\* InSyBio Beta User  
Please fill your full name.

Address

Organization\* InSyBio Ltd.  
Please fill your organization and department.

Country\* United Kingdom

Manage your e-mail notifications

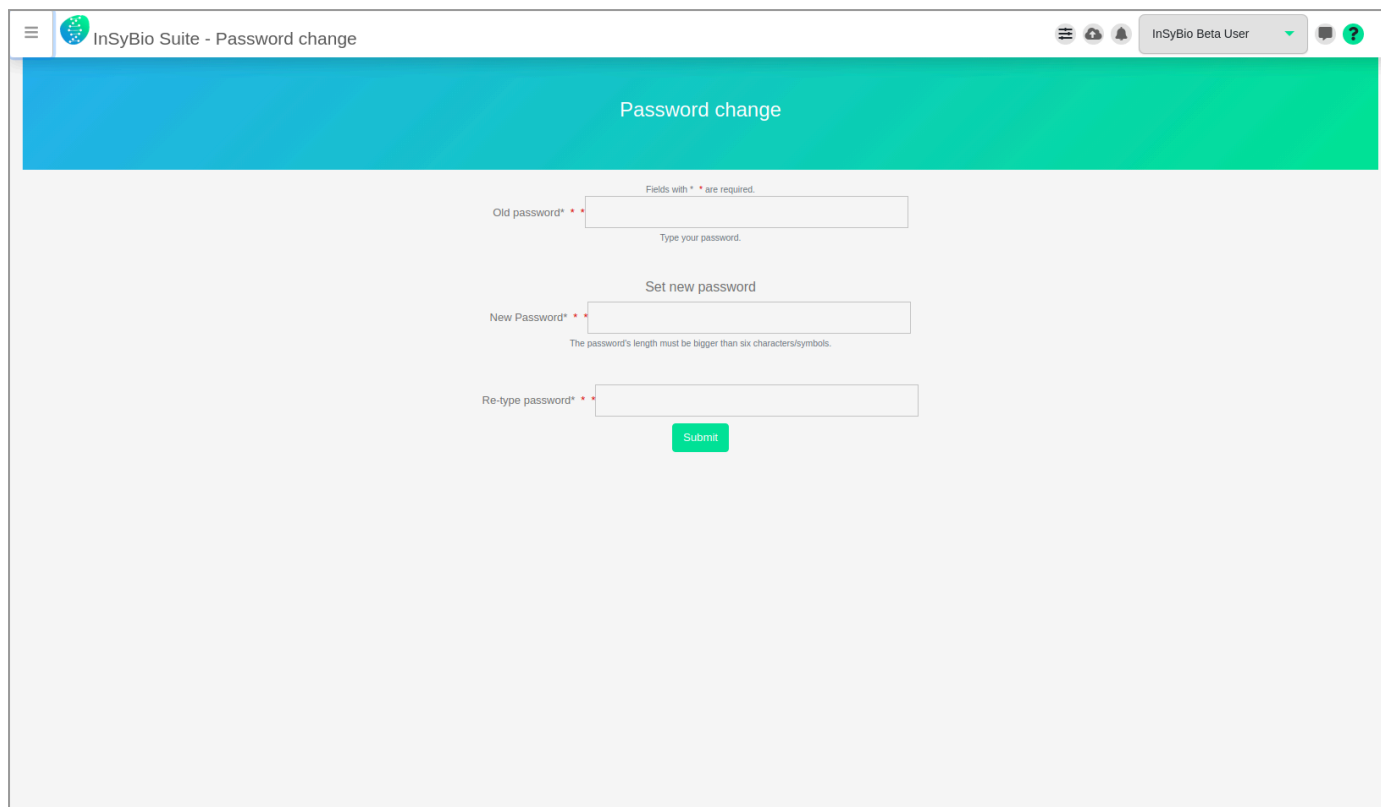
Receive InSyBio Suite news by e-mail ☒

Receive Notification e-mail when your profile changes ☒

Receive Notification e-mail when your password changes ☒

Submit

When changing your password, you have to provide your old password and type twice your new password.



The screenshot shows the 'Password change' page in the InSyBio Suite. The page has a teal header bar with the title 'Password change'. Below the header, there are three input fields for password management. The first field is labeled 'Old password\*' and has a hint 'Type your password.' and a note 'Fields with \* are required.' The second field is labeled 'New Password\*' and has a hint 'Set new password' and a note 'The password's length must be bigger than six characters/symbols.' The third field is labeled 'Re-type password\*'. A green 'Submit' button is located below the third field. The top navigation bar includes the InSyBio Suite logo, the page title 'InSyBio Suite - Password change', and user information 'InSyBio Beta User'.

Fields with \* are required.

Old password\*

Type your password.

Set new password

New Password\*

The password's length must be bigger than six characters/symbols.

Re-type password\*

Submit

## Left menu

In the left menu of InSyBio Suite you can select the tool you would like to use. Tools user manuals can be found on the landing page.

The screenshot displays the InSyBio Suite dashboard. The top navigation bar includes the InSyBio Suite logo, a user profile for 'InSyBio Beta User', and a help icon. The dashboard is organized into several panels:

- RNA-Seq Pipelines:** ID 84 (RNA-Seq Differential Expression Pipeline) and ID 83 (RNA-Seq Differential Expression Pipeline) are marked as 'Error'. ID 12 (miRNA Target Site Features Calculation) is 'Completed'. A blue button labeled 'RNA-Seq Pipeline' is present.
- Bionets Jobs:** ID 48 (Combine Networks), ID 47 (Biological Network Analysis), ID 46 (Combine Networks), ID 45 (Biological Network Clustering), and ID 44 (Biological Network Clustering) are all 'Completed'. A blue button labeled 'Bionets' is at the bottom.
- Biomarkers Jobs:** ID 67 (Network Creation) is 'Error'. ID 33 (Enrichment Analysis) is 'Completed'. A blue button labeled 'Enrichment Analysis' is present.
- DNA-Seq Pipelines:** ID 16 (DNA-Seq Pipeline) and ID 15 (DNA-Seq Pipeline) are 'Completed'. A blue button labeled 'DNA-Seq Pipeline' is present.
- InSyBio Suite Manuals:** A red box highlights this section, which includes links to 'First Steps', 'Interact', 'ncRNASeq', 'BioNets', 'Biomarkers', 'DNaseq', 'Pipelines', and 'Data Store'.
- InSyBio Suite White papers:** Links to 'ncRNASeq', 'RNA-Seq Pipeline', and 'BioNets' are provided.

At the bottom, the dashboard indicates the version is 2.7, dated March 2022, and provides a link to [www.insybio.com](http://www.insybio.com) for more details.

For some tools, you can find their subtools pressing the respective arrow.



The screenshot displays the InSyBio Suite dashboard. The top navigation bar includes the InSyBio Suite logo, a user profile dropdown for 'InSyBio Beta User', and a help button (question mark icon). The main content area is divided into several sections:

- InSyBio Interact** (highlighted with a red box): Contains links to Positive/Negative PPIs, Protein Search, PPI Complexes, PPI Functions, PPI Datasets, Network Creation, Enrichment Analysis Functionality, and Functional Annotation Patented Method.
- Intracellular Interactions Analysis** (highlighted with a red box): A sub-section under InSyBio Interact.
- ncRNASeq Jobs**: A list of jobs with their status (Error, Running, Completed).

ID	Job Name	Status
ID 82	RNA-Seq Differential Expression Pipeline	Error
ID 85	RNA-Seq Differential Expression Pipeline	Running
ID 84	RNA-Seq Differential Expression Pipeline	Error
ID 83	RNA-Seq Differential Expression Pipeline	Error
ID 12	miRNA Target Site Features Calculation	Completed
- Interact Jobs**: A list of jobs with their status (Completed, Error).

ID	Job Name	Status
ID 35	Enrichment Analysis	Completed
ID 68	Network Creation	Error
ID 34	Enrichment Analysis	Error
ID 67	Network Creation	Error
ID 33	Enrichment Analysis	Completed
- DNASeq Pipeline Jobs**: A list of jobs with their status (Completed).

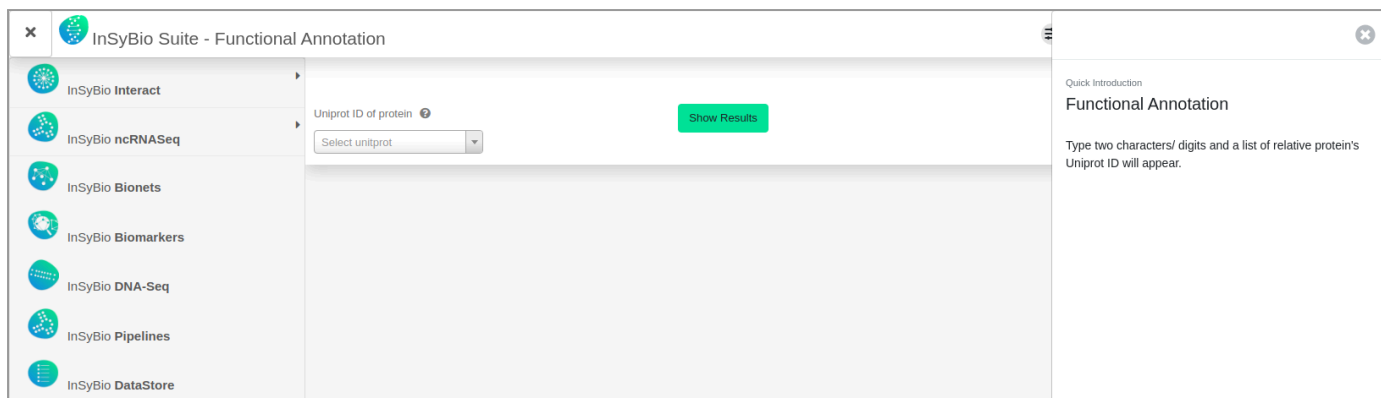
ID	Job Name	Status
ID 19	DNA-Seq Pipeline	Completed
ID 18	DNA-Seq Pipeline	Completed
ID 17	DNA-Seq Pipeline	Completed
ID 16	DNA-Seq Pipeline	Completed
ID 15	DNA-Seq Pipeline	Completed
- Biomarkers Jobs**: A list of jobs with their status (Error, Pending).

ID	Job Name	Status
ID 59	Dataset Preprocessing	Error
ID 55	Training Multi-biomarker Predictive Analytics Model	Pending
- InSyBio Suite Manuals**: A list of manual links (First Steps, Interact, ncRNASeq, BioNets, Biomarkers, DNASeq, Pipelines, Data Store).

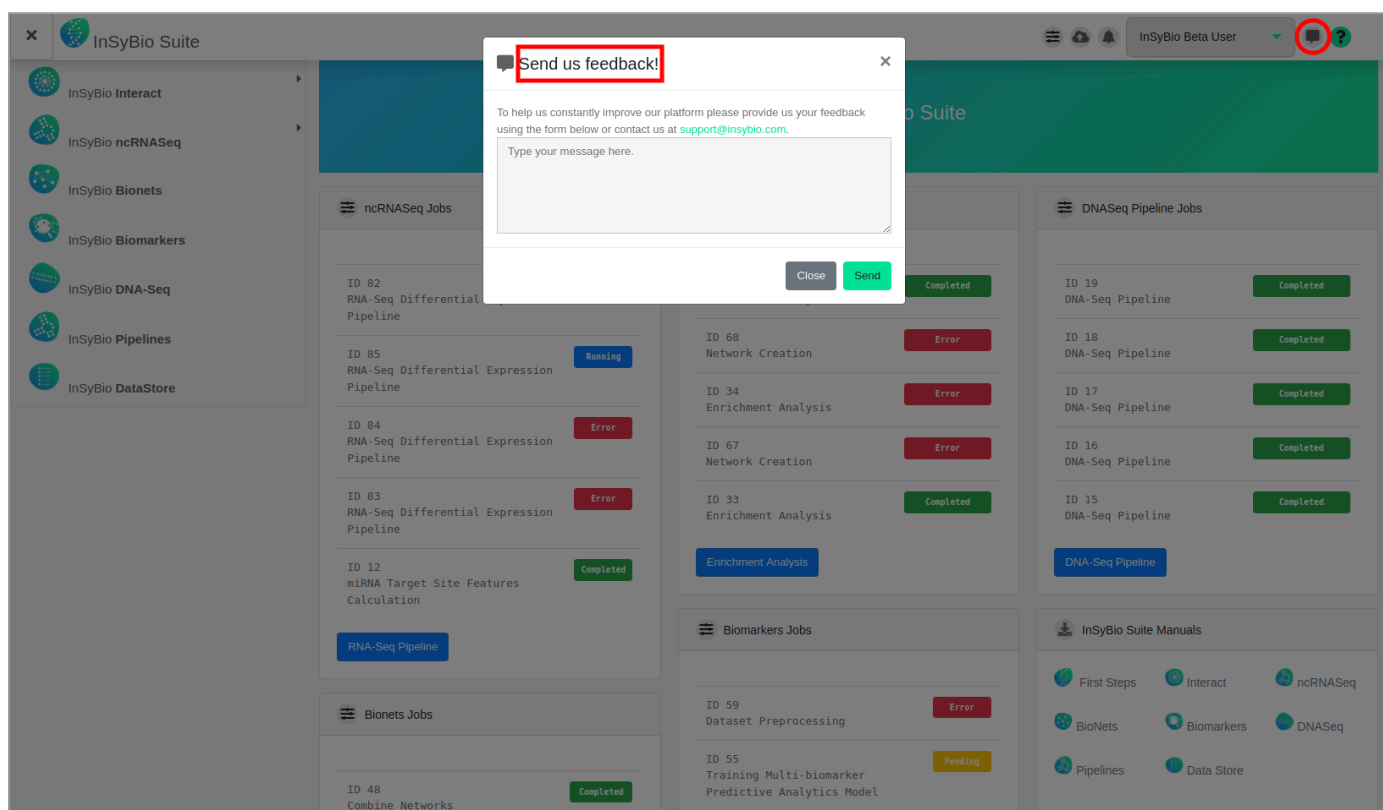
When inside a tool, help is provided through the upper right help button.

The screenshot shows the 'InSyBio Suite - Functional Annotation' tool interface. The top navigation bar includes the InSyBio Suite logo, a user profile dropdown for 'InSyBio Beta User', and a help button (question mark icon). The main content area is divided into two sections:

- Left Sidebar**: A list of tool links (InSyBio Interact, InSyBio ncRNASeq, InSyBio Bionets, InSyBio Biomarkers, InSyBio DNA-Seq, InSyBio Pipelines, InSyBio DataStore).
- Main Content Area**: Contains a form for 'Uniprot ID of protein' with a dropdown menu and a 'Show Results' button.



On the upper right of the toolbar, there is also a feedback button. Clicking on the feedback button, a message asks you to provide your feedback at [support@insybio.com](mailto:support@insybio.com).



# Cloud computing Infrastructurer and Security Certifications

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InSyBio Suite and all its tools are running over the cloud computing as a service infrastructure of Vultr (<https://www.vultr.com>), at the Amsterdam (Netherlands) facilities, offering the following security attestations and certifications (SOC 2+ (HIPAA), PCI (Merchant), CSA Star Level 1, ISO/IEC 20000-1:2018, ISO/IEC 27001:2022, ISO/IEC 27017:2015, ISO/IEC 27018:2019).

## How to get InSyBio Interact

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To request a free one month license of InSyBio Suite please email us at [info@insybio.com](mailto:info@insybio.com).

To purchase InSyBio Interact commercial version 3.3 please contact us at [sales@insybio.com](mailto:sales@insybio.com).

## About Us

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InSyBio Inc is a bioinformatics pioneer company ([www.insybio.com](http://www.insybio.com)) in personalized healthcare, that focuses on developing computational frameworks and tools for the analysis of complex life-science and biological data in order to develop

predictive integrated biomarkers (biomarkers of various categories) with increased prognostic and diagnostic aspects for the personalized Healthcare Industry.

InSyBio Suite consists of tools for providing integrated biological information from various sources, while at the same time it is empowered with robust, user-friendly and installation-free bioinformatics tools based on intelligent algorithms and methods.

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