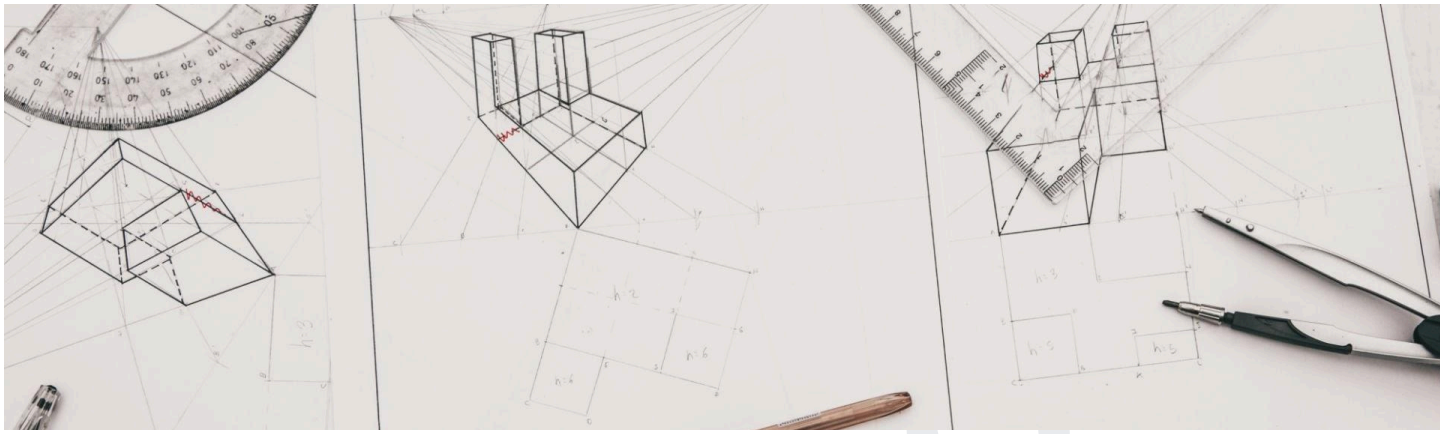

# Inceptum Cloud Storij - User Guide

(Switch to Page format to add Draft on Page. Switch back to Pageless to revert)
<< To be Removed later>>

## 1. Introduction

### 1.1. About Inceptum Cloud Storij

[1]Inceptum Cloud Storij (ICS) is a cloud based software as a service (SAAS) developed by [2]TechCyberWriter LLC.

The software offers Cloud based AI driven data storage, security, scalability, high availability, and advanced performance for AI first applications.

### 1.2. What's New in This Version

Inceptum Cloud Storij (ICS) version 1 or **ICS_v1** is the very first production release of the software. Release date was October 2024 and included  the two main features required to create dataVases and madeUpObjects  for all your AI Projects.

### 1.3. About This Guide

This user guide provides detailed insights on how to use every feature of the product.  It provides you necessary information for all required hardware, software, security. Finally the guide demonstrates all necessary steps needed to accomplish tasks for your AI storage product.

### 1.4. Getting Started

You can get started with Inceptum Cloud Storij (ICS) by working  with DataVase and MadeUpObjects. A *dataVase* is a container for a MadeUPObject. A MadeUpObject is a file and any metadata that describe that file.

## 2. System Requirements

### 2.1. Hardware Requirements

Hardwares required locally to get started are:

- **Laptop** or **Desktop computer** with internet capabilities to access your account on our platform.
- **Physical Security ZuKey**.

### 2.2. Software Requirements

Softwares required locally to get started are:

1. **Docker Container**.
2. **Terminal** (mac os / unix) or **Powershell**(windows Os).
3. **Git Version Contro**l.

### 2.3 Security Requirements

Data Protection Security Best practices to follow:

- **Know Your Role:** Learn your responsibilities for data security within Inceptum Cloud Storij (ICS).

- **Hold Inceptum Cloud Storij (ICS)'s security**: Always use the security features and controls offered by our platform.
- **Encrypt Data in Transit and at Rest**: Use secure protocols like HTTPS in your AI product to protect data during transmission. Ensure data is encrypted while stored in the cloud.
- **Implement Strong Access Controls:** User Role Based Access Control (RBAC) tool to control who can access your data and what they can do based on their roles with your organization.
- **Least Privilege Principle:** Grant users only the minimum necessary permissions.
- **Security Measures**: Strong passwords, Regular updates and Security Monitoring.

## 2.4 Before You Start

### 2.4.1 Network Configuration:

Create the mandatory network configuration for your environment which must contain:

- Virtual Private Cloud(VPC).
- Internet Gateway.
- Security Groups
- Route Tables
- Network Address Translation(NAT).
- VPN connections.

### 2.4.2 Server Setup

Create the mandatory Server Setups for your product's environment:

- Choose an Operating System(OS)
- Create a virtual machine (VM)
- Create a Virtual M
- Install All Necessary Software:

## 3. Working With DataVase:

To upload your product data in Inceptum Cloud Storij (ICS) you must create a DataVase.

A dataVase is a container for storing madeUpObjects. You can store any number of madeUpObject in your dataVase and have up to 50 dataVases in your account.

**Important Note:**

The arrow → Means **next step click** on for instance:

→ File → New, means next step click on **File,** and next Step click on **New**.

**Steps to Create A dataVase :**

1 - → **File** → **New**

| | | | |
|---|---|---|---|
| **Web Server** | Apache | Nginx | IIS |
| **Database** | MySQL | PostGreSQL | MongoDB |
| **Coding Language** | Python | Java | Node.js |
| **Other Tools** | SSH | FTP | Firewall |

→ **Project**

2 - Enter the desired name for your project.

3 - → **Your Project name** → **Gear icon** on top right → **Create DataVase**. Enter your desired DataVase's name.

4 - → **Save** Button.

**Working With MadeUpObjects:**

1 - → **File** → **FakyObj** → **Create MadeUpObject**

2 - Enter the desired name for your madeUpObject

3 - → **Save** Button.

## 4. Getting Started: Setting up AI Data Storage for the first time with Python:

**Tasks**

## 4.1. Syncing Your Files

```python
def sync_files(source_dir, target_dir):
    for root, dirs, files in os.walk(source_dir):
        for file in files:
            source_path = os.path.join(root, file)
            target_path = os.path.join(target_dir, root[len(source_dir) + 1:], file)
            if not os.path.exists(os.path.dirname(target_path)):
                os.makedirs(os.path.dirname(target_path))
            if os.path.getmtime(source_path) > os.path.getmtime(target_path):
                shutil.copy2(source_path, target_path)

# Example usage
source_dir = "path/to/your/source/directory"
target_dir = "path/to/your/target/directory"
sync_files(source_dir, target_dir)
```

## 4.2. Scheduling Backups

```python
import schedule
import time
import subprocess


def backup_alfalfa():
    # Replace with your backup command
    subprocess.call(["your_backup_command", "alfalfa_data"])


schedule.every().day.at("01:00").do(backup_alfalfa)

while True:
    schedule.run_pending()
    time.sleep(1)
```

## 4.3. Advanced Functionality Using the Menu:

Enhance the security of your AI Product Data with the following Steps:

1 - : → **Navigation.**

2 - : → **Advanced Functionality**.

3 - : → **Security**

→ **Toggle Switch ON Button** Security Alert Monitoring.

### 4.4. Sharing Data Files

Use the follow steps to share Data Files with existing vetted users:

1 - : → **Share**.

2 - : → **RBAC user**

**3 - :** → **Select** desired user and → **Save** button.

## 5. Troubleshooting:

Troubleshooting your product AI data on Inceptum Cloud Storij (ICS) often involves a systematic approach.

1. Begin by isolating the issue, such as data corruption, access problems, or performance degradation.

2. Check for any recent changes in the cloud environment or the AI model itself.

3. Use cloud monitoring tools to identify anomalies in resource usage or network connectivity.

4. If the issue persists, consider consulting with Customer support or seeking assistance from AI experts.

## 6. Customer Support :

Telephone: 800--DATA

Address: 123 Main Street USA, 12345

1



[1] Information listed in this document is completely fictional and should not be considered real or accurate and should never be used in any real production environment.

[2] This is a fictional company created by the document author James Lemaire.