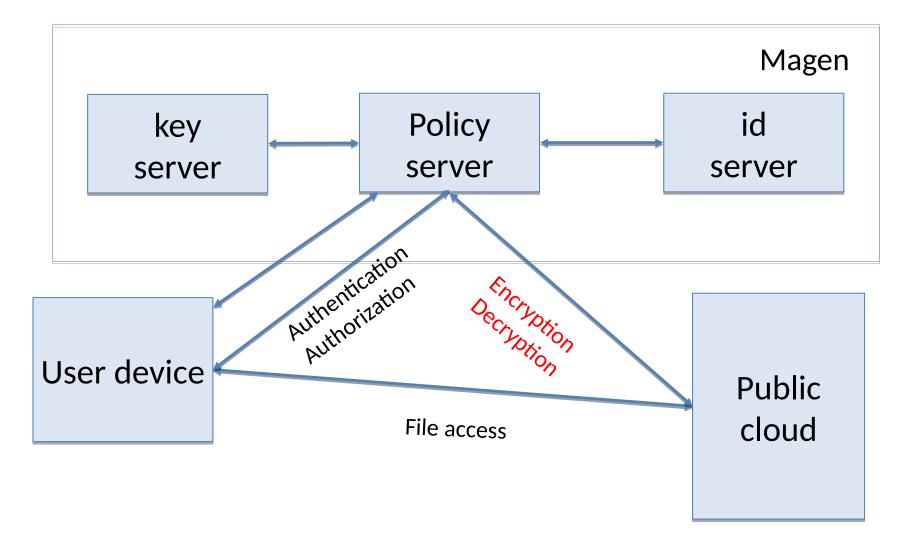
Data Leak Prevention

- Alena
- Reinaldo
- Cristel
- Randy

- Enterprise use public clouds
- Data at rest vulnerable to leaks
- The number of data breaches is the last 5 years is huge. It includes goverments, retail, credit agencies, movie studios, etc.
- Encryption of data at rest
- How to ensure sharing?

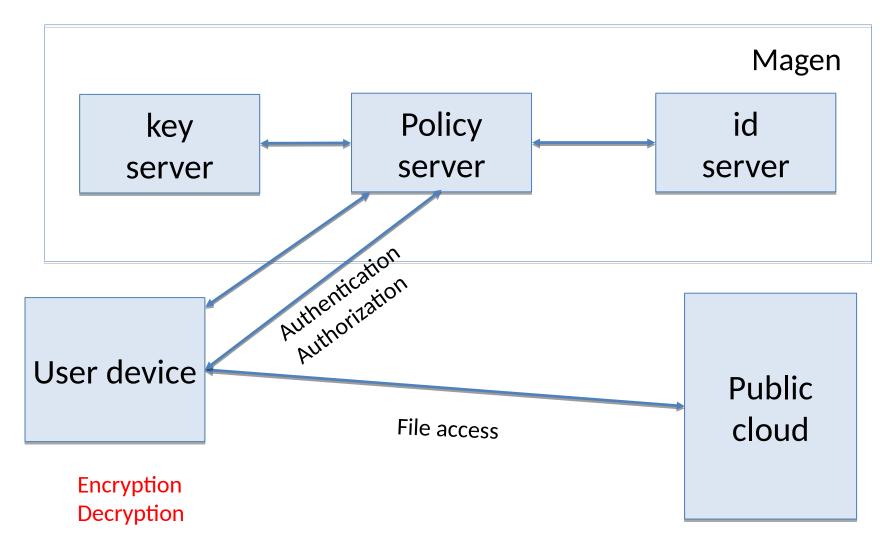
Enforcing authorization policies: Magen



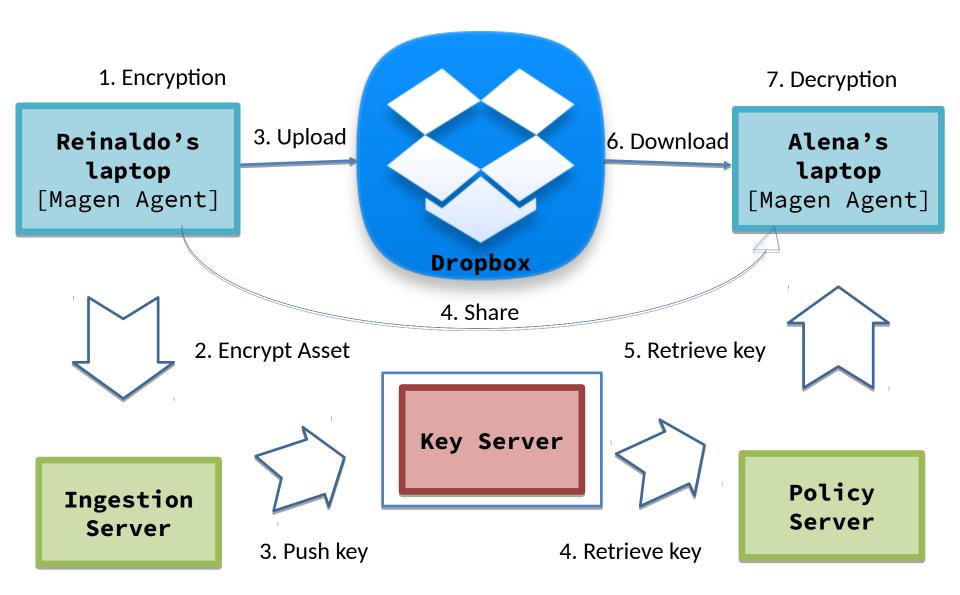
Problem

 Two days ago magen was pushing temporary unencrypted files to the cloud before serving to the user

New flow of interaction



Demo



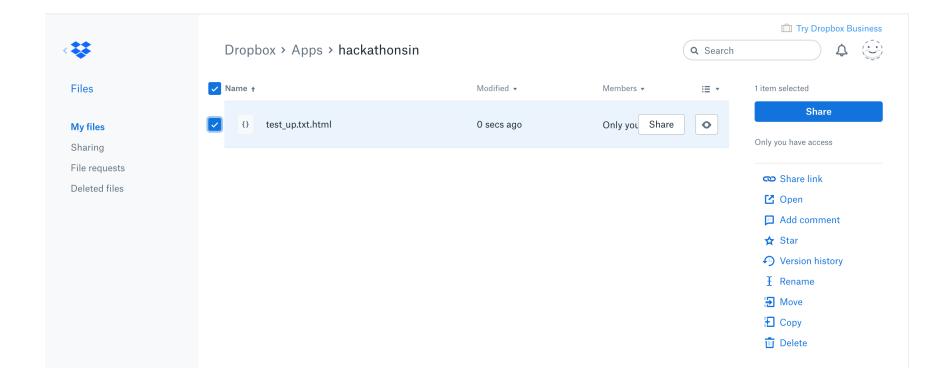
DropBox Empty

<₩	Deleted 1 item. Undo Dropbox > Apps > hackathonsin	Earch
Files		
My files Sharing File requests Deleted files	This folder is empty Drag and drop files onto this window to upload.	Share folder Only you have access ① Upload files ① New folder ③ Show deleted files
		X Unlock more features. Try Dropbox Business! Upgrade now

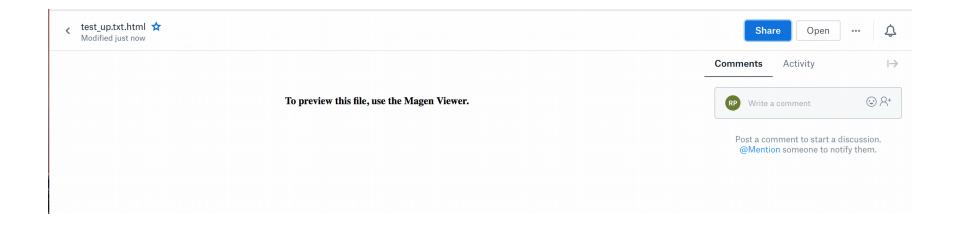
Create and Publish Encrypted File

	1. bash
× bash %1	× root@2dc0b76fa ● ¥2
https://dl.dropboxuser Ui0wqaYsdbq97TCO3CN9se	honsin repenno\$ python3 ingest_file.py rcontent.com/apitl/1/AAAb0bAQ5-ludwb8MzsHekXZde_joi8Yf5VgHBI9HCr4mgPRsxYLPWbqavt87h3ex0ZDcEPMqKQ4MzBtADkgBZNy7P4EHSWON4dsTCaiCc eFB3ZqDiImIncoBe6lMNgyvq3E8i8s3MCWq0fbCdKm6QGEopcUYLtHcg5p0V5u9OpAqhKjkJw8Eswm_LK2tvZUwdkweG2awbSFLEWNvDGQyxjzbD748HybS9f3k RJlbtgfU-W4k1jWx1p3rkjyzxAR3Q1oMMDt7rA-0rOZI honsin repenno\$

Dropbox with Shared File



Shared File is Encrypted at Rest



Share Link

W4k1jWx1p3rkjyzxAR3Q1oMMDt/rA-0rOZI

https://dl.dropboxusercontent.com/apitl/1/AAAb0bAQ5 ludwb8MzsHekXZde_joi8Yf5VgHBl9HCr4mgPRsxYLPWbqavt87h3ex0ZDcEPMqKQ4MzBtADkgBZNy7P4EHSWON4dsTCaiCqlg Ui0wqaYsdbq97TCO3CN9seFB3ZqDilmIncoBe6lMNgyvq3E8i8s3MCWq0fbCdKm6QGEopc--UYLtHcg5p0V5u9OpAqhKjkJw8_-Eswm_LK2tvZUwdkweG2awbSFLEWNvDGQyxjzbD748HybS9f3k8BmQvai6WehxM9fAtgk5JfLRJlbtgfU-W4k1jWx1p3rkjyzxAR3Q1oMMDt7rA-0rOZI



Link Received

Reinaldo Penno 12:10 PM

https://dl.dropboxusercontent.com/apitl/1/AAAb0bAQ5-

ludwb8MzsHekXZde_joi8Yf5VgHBl9HCr4mgPRsxYLPWbqavt87h3ex0ZDcEPMqKQ4MzBtADkgBZNy7P4 EHSWON4dsTCaiCqlgUi0wqaYsdbq97TCO3CN9seFB3ZqDilmIncoBe6lMNgyvq3E8i8s3MCWq0fbCdKm6 QGEopc--UYLtHcg5p0V5u9OpAqhKjkJw8_-

Eswm_LK2tvZUwdkweG2awbSFLEWNvDGQyxjzbD748HybS9f3k8BmQvai6WehxM9fAtgk5JfLRJlbtgfU-W4k1jWx1p3rkjyzxAR3Q1oMMDt7rA-0rOZI

RF

Write a message to Reinaldo Penno

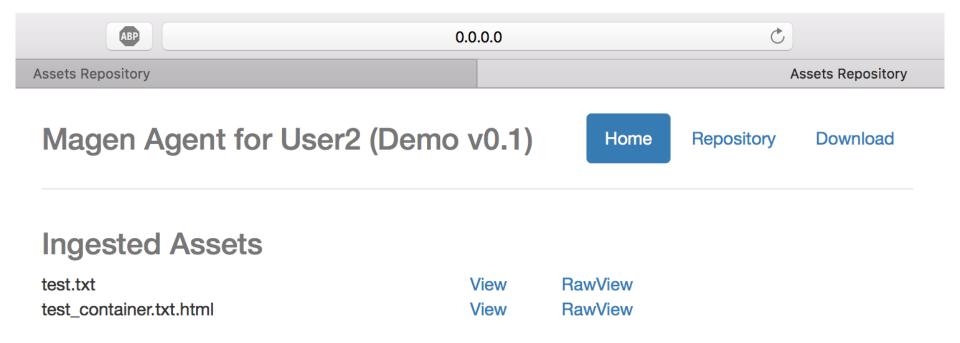
Magen Local Agent

(ABP) 0.0).0.0		Ç		
Assets Repository				M-HWA Home	
Magen Agent for User2 (Demo v	/0.1)	Home	Repository	Download	

Magen Local Agent (Demo version 0.1)

Magen Agent represent a native local Agent that performs Encryption and Decryption Data that will be stored in a Cloud Application (Box, Dropbox, GoogleDrive). Magen Agent showcases an ability to share an encrypted file between User1 and User2. User2 receives an encrypted file and attempts to open it. If access is granted, file is decrypted. If no decrypt operation performed, the User unable to open a file.

Magen Assets Repository



Download Asset to Magen Agent

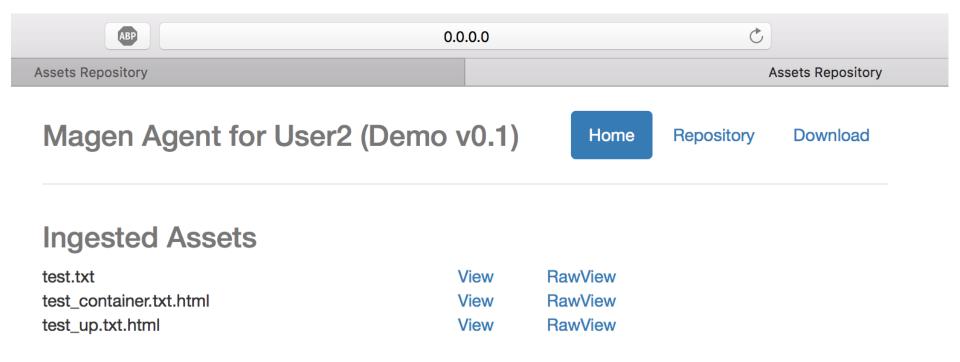
	ABP	0.0.0.0			0
у		Download a link to a Magen Agent space			Download a lin
	Magen Agent	for User2 (Demo v0.1)	Home	Repository	y Download

Download Form

https://dl.dropboxuserco

Download & Decrypt

Asset added to Magen Repo



View Asset without Decrypt

	0.0.0.0	Ċ
pository		Magen File

To preview this file, use the Magen Viewer.

Decrypt Asset and View



Decrypted Asset

this is a test