The following talk has been approved by the
NO STAR WARS VII SPOILERS
association of Star Wars fans.

THIS TALK HAS BEEN RATED

AD	API & DOC NERDS AUDIENCES
DOCUMENT-API-TOPIA #APIDOCS	

Arnaud LAURET
@apihandyman

AXA Banque

A not so long time ago in an APIverse not so far, far away....

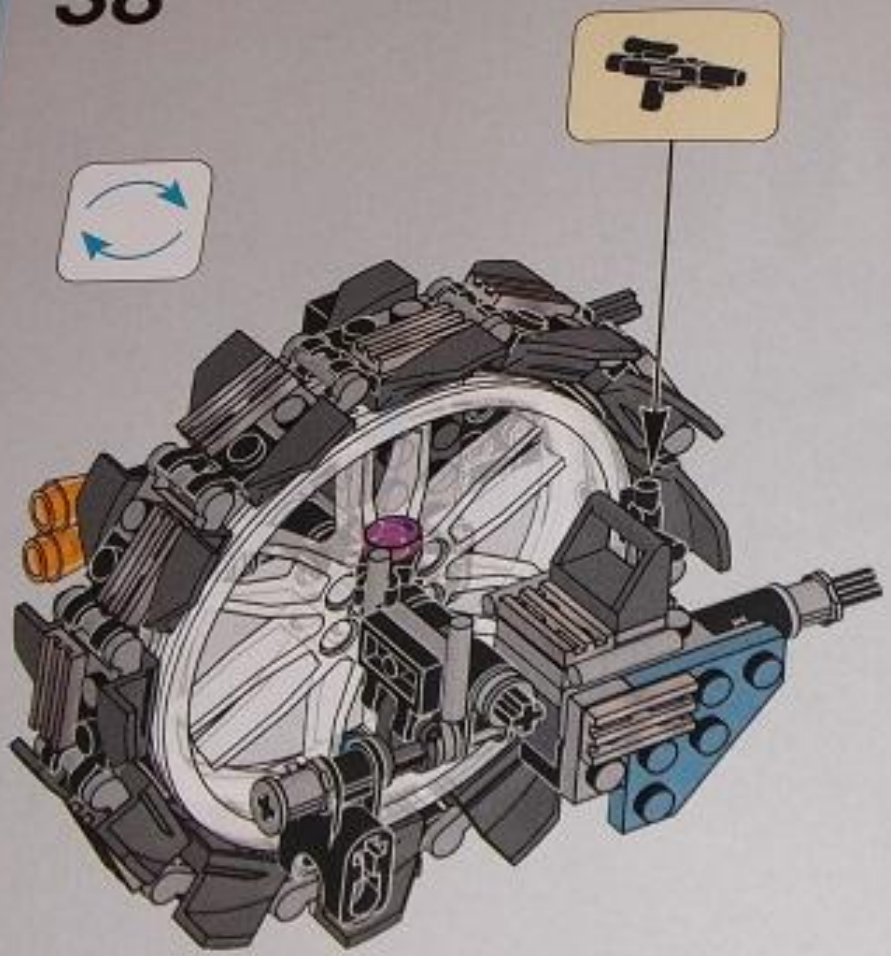
Episode I

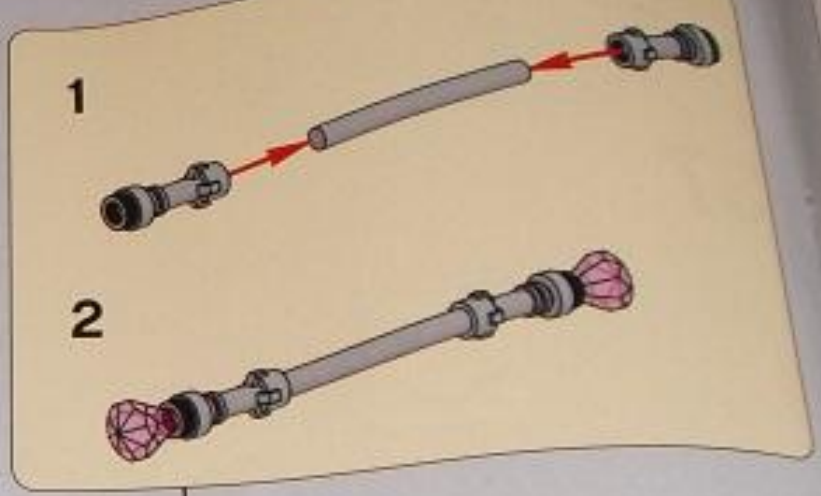
SYNNECROSIS MENACE

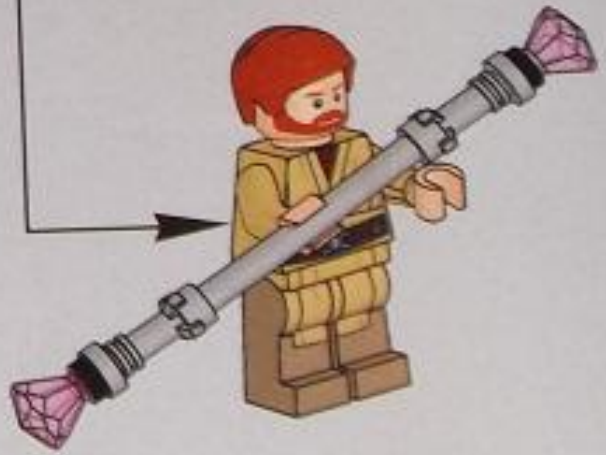
Turmoil has engulfed the API-verse. The documentation of API systems is in dispute.

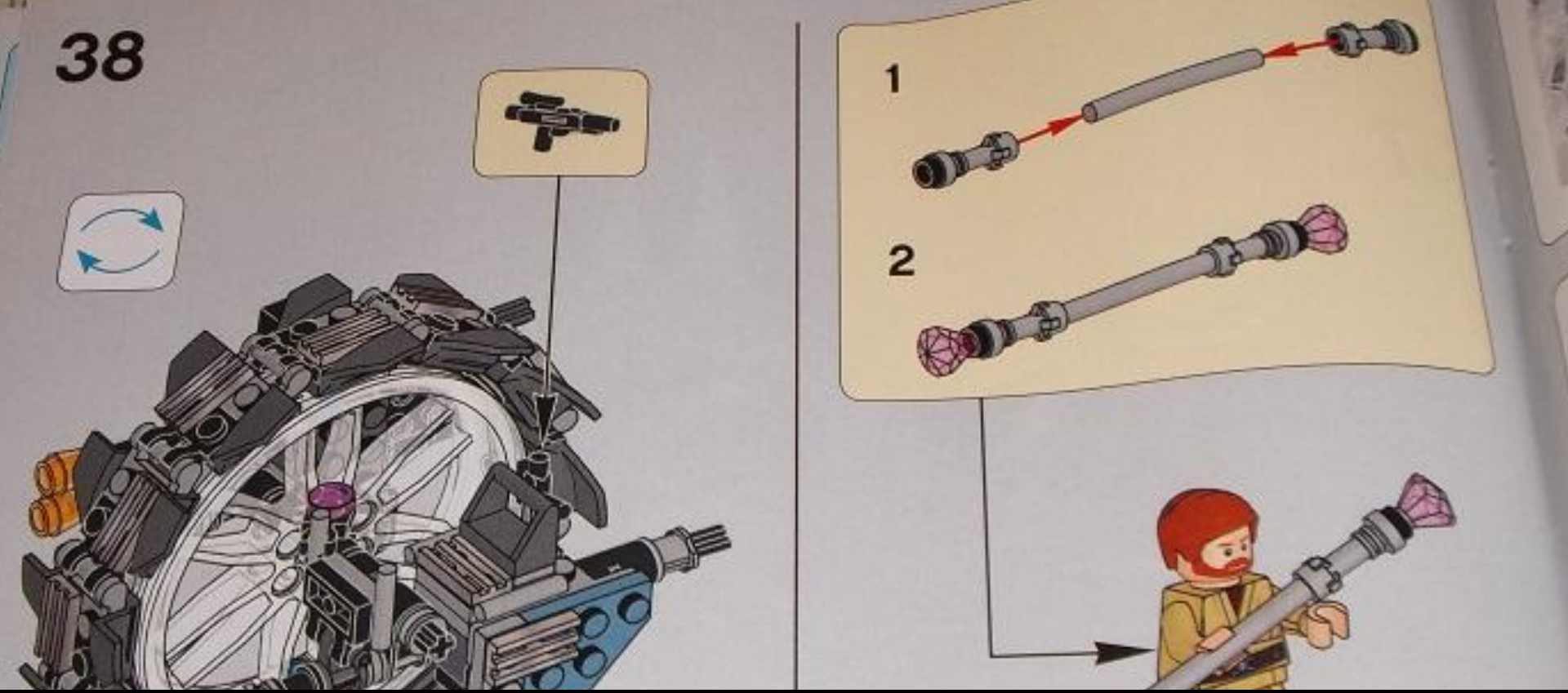
The API Evangelist, the guardian of peace and justice in the

38

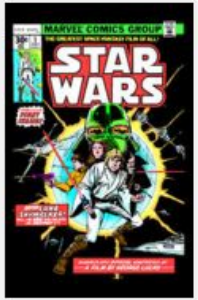




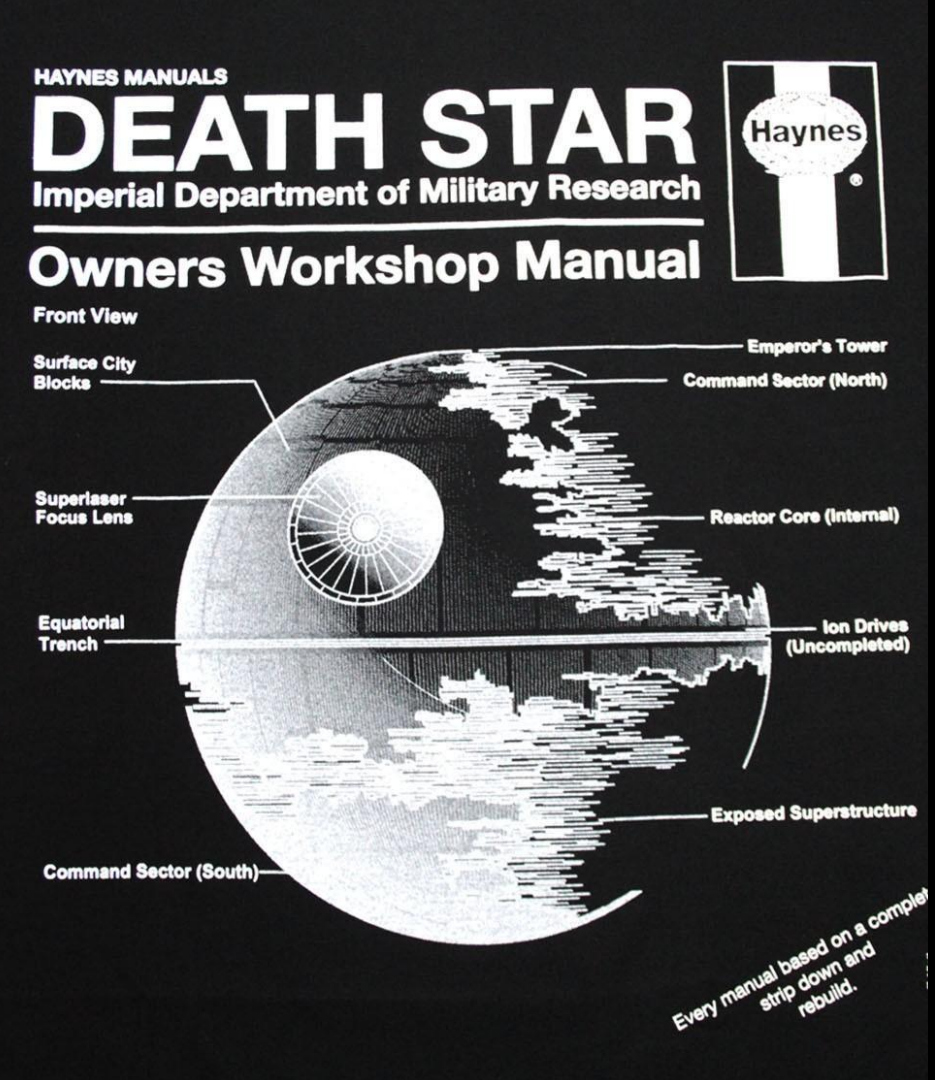




Documentation is
NOT ONLY end user’s one



Many different forms and audiences

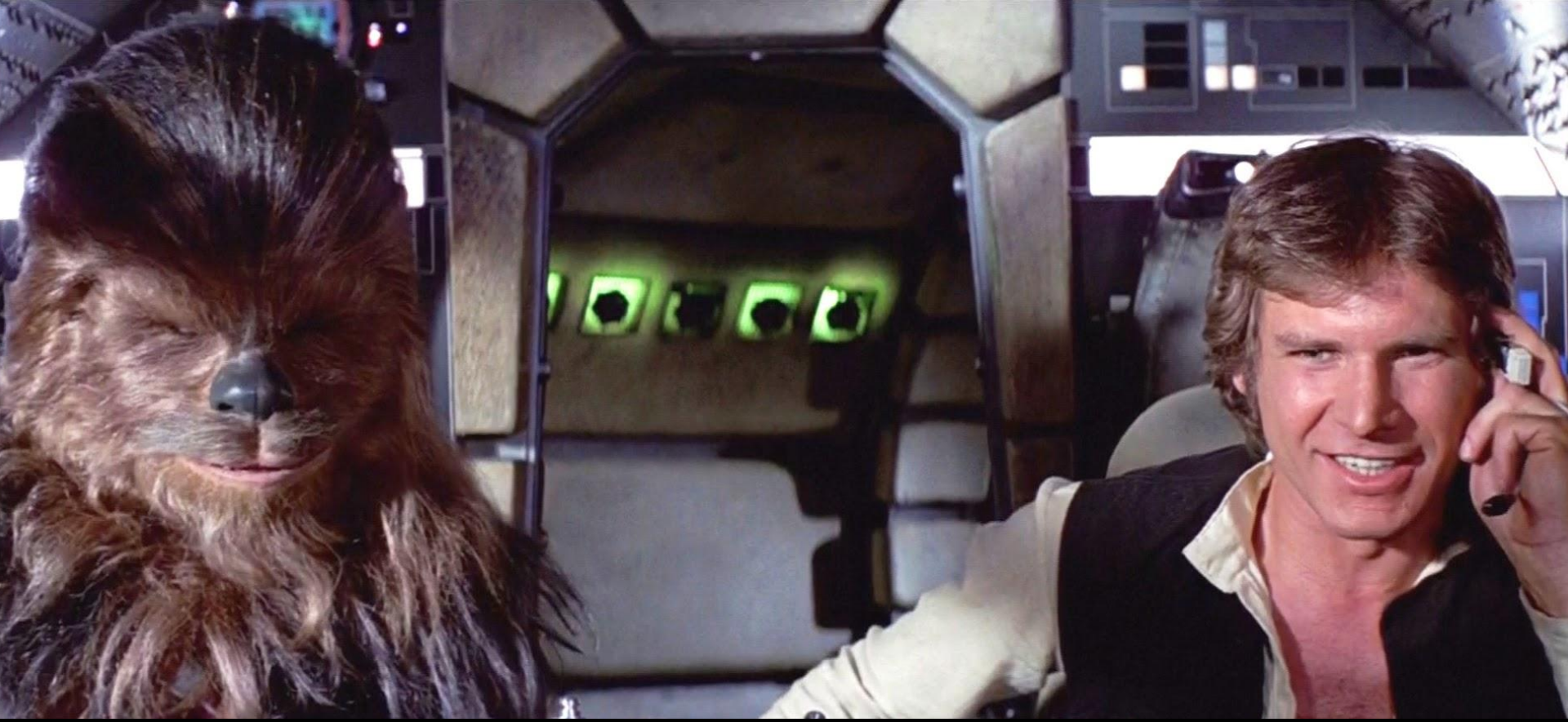


Every instructions, comments and information needed to build, maintain and use an API and its subsystems

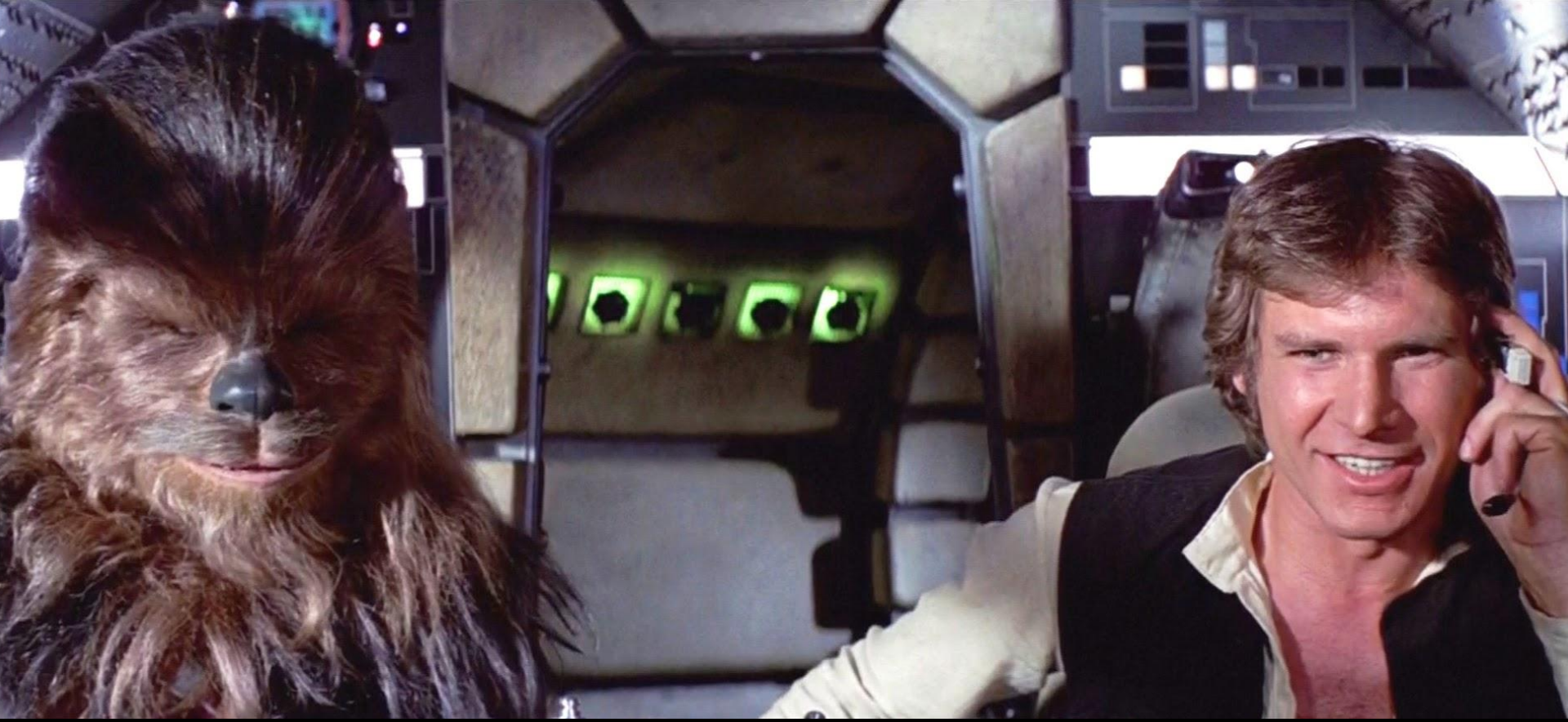
API and documentation
are more than related

Symbiotic relationship

Close and often long-term interaction between 2 different species



Mutualism



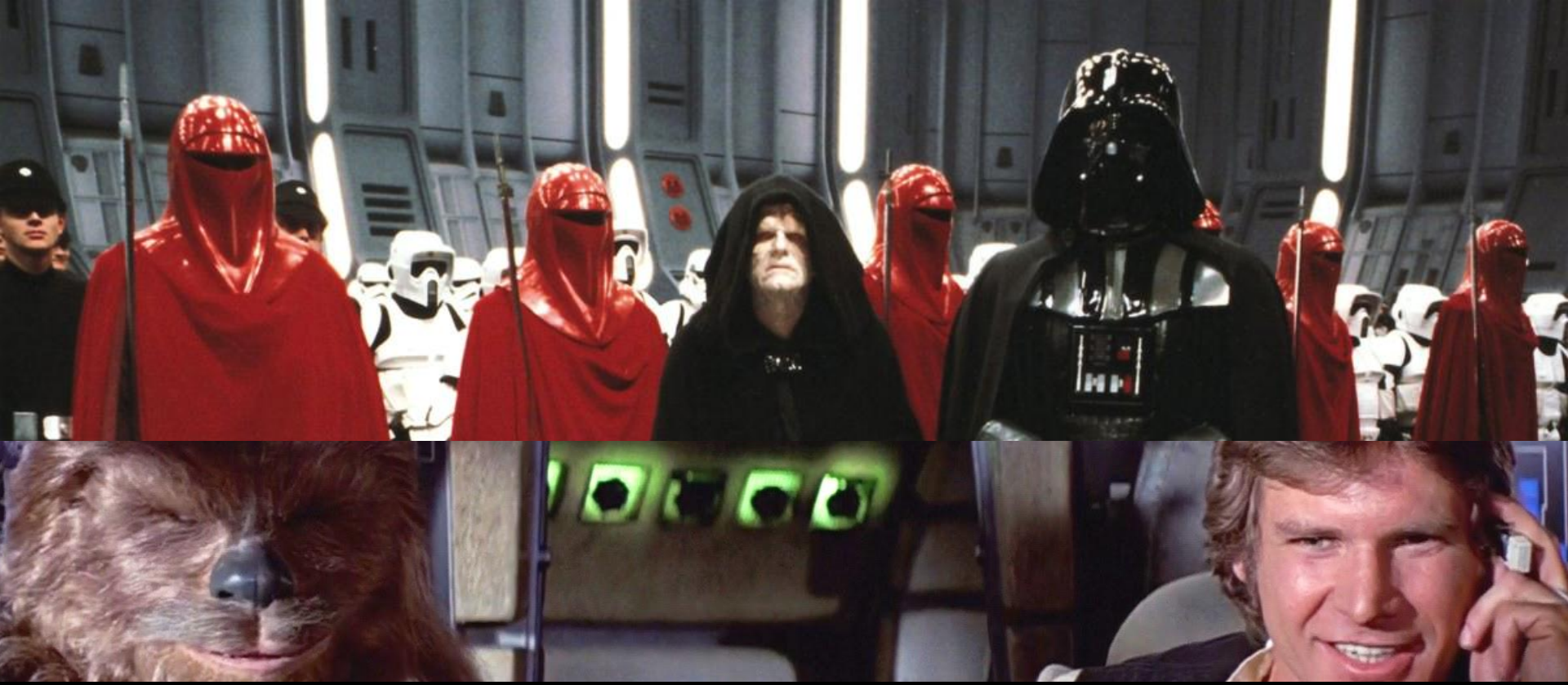
Both individuals benefit

Parasitism

One benefits, One is harmed

Synnecrosis

Detrimental to both



API & Documentation succeed together
or fall to the dark side

TAKEAWAYS

Episode I DOCUMENTATION MATTERS

Episode II

ATTACK OF THE UNREAD

There is unrest in the API Senate. Thousands documentations have been written but never read or used.

Jen Riggo must quickly find out why, to prevent APIverse's collapse...

Unread documentation

Right people write the right documentation for the right audience and right context.

Creating documentation is a real job

Document only when needed

Adapted to the subject

Adapted to the audience

Adapted to the context

Standardized

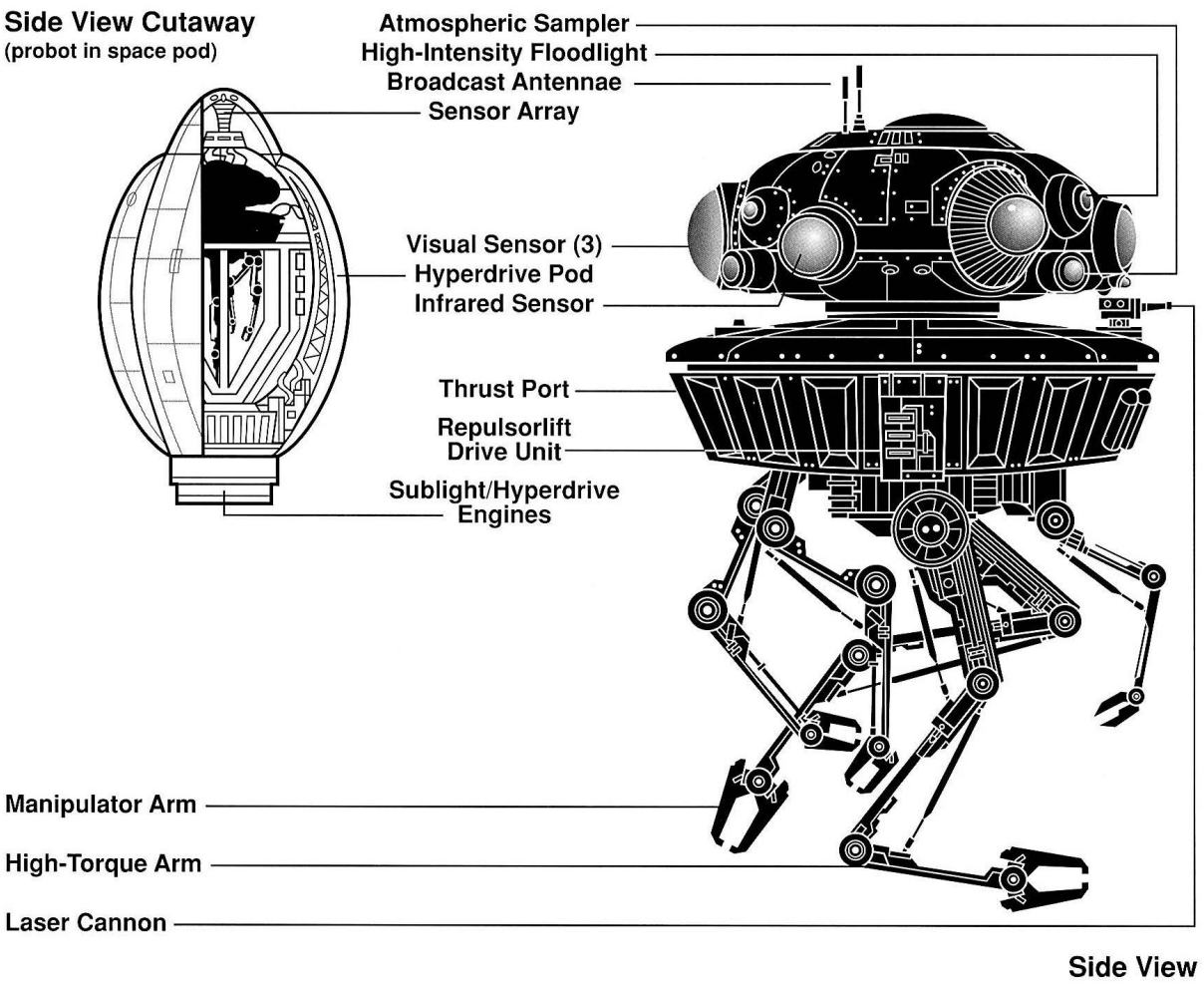
Standardized API and subsystems

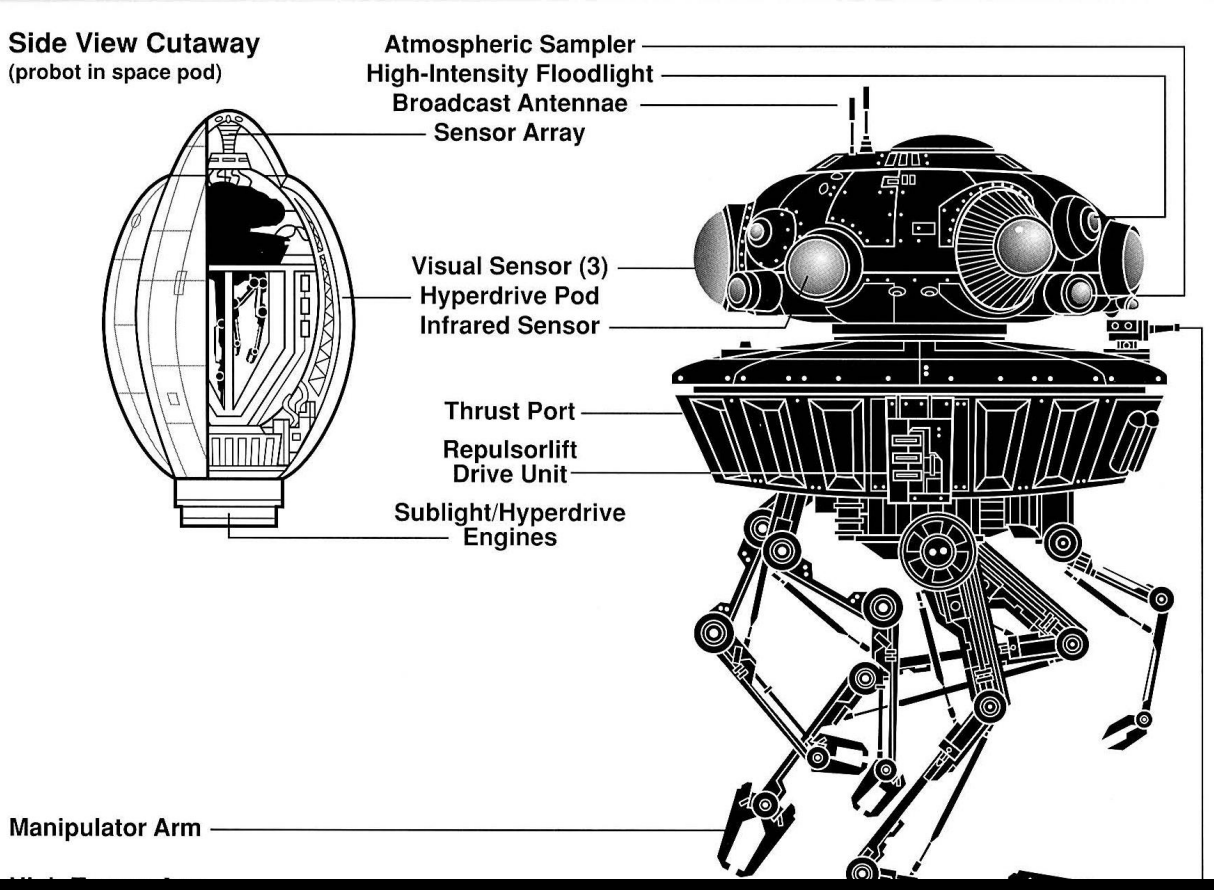
Standardized documentation

Micronized

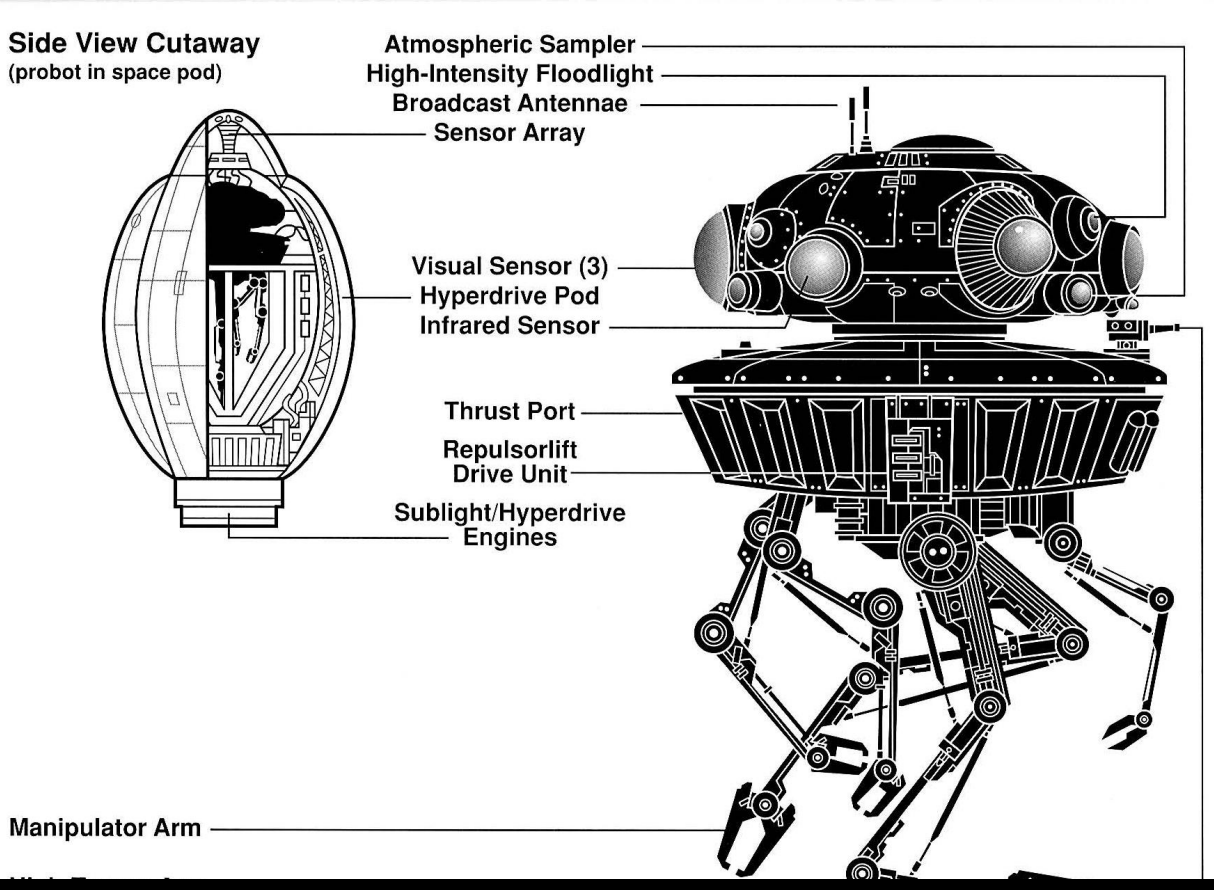
Microservices

Microdocumentations

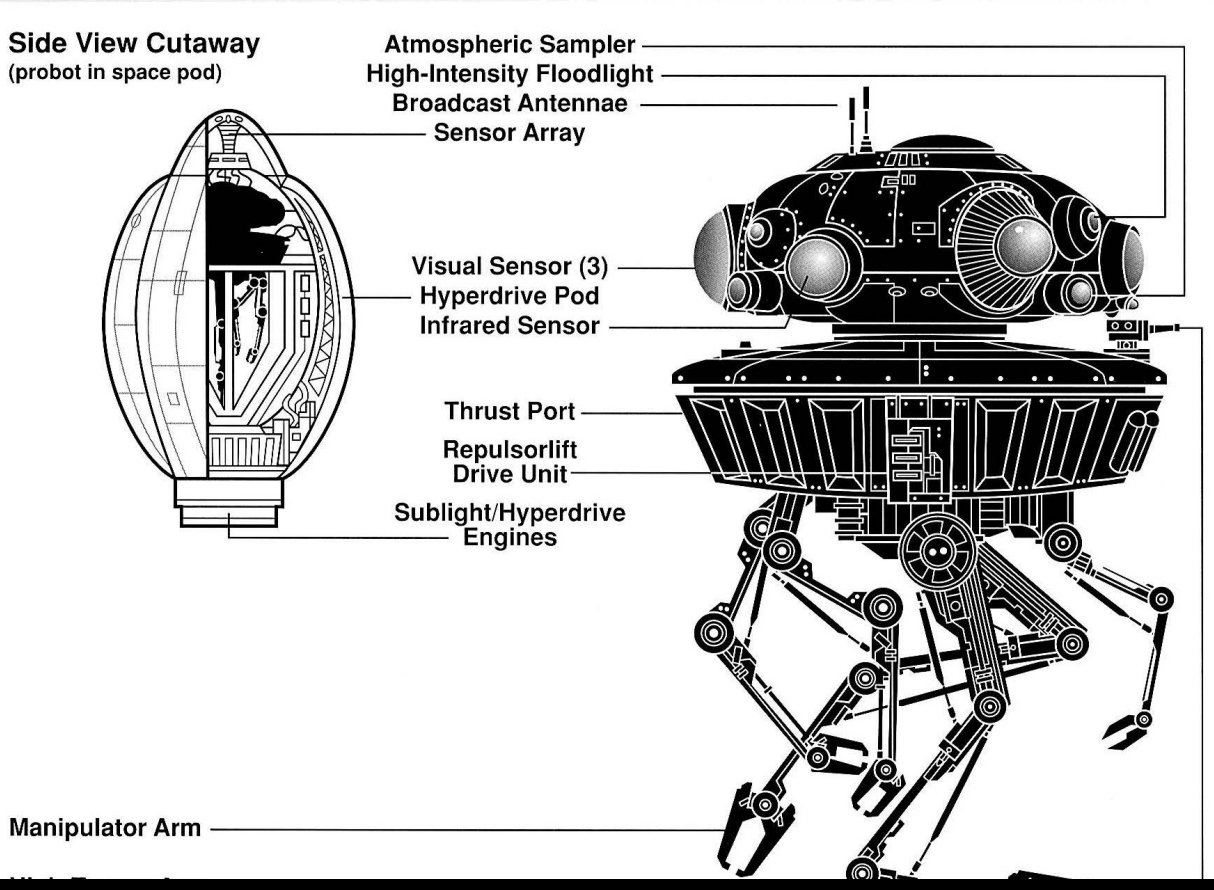

Side View Cutaway
(probot in space pod)
Atmospheric Sampler
High-Intensity Floodlight
Broadcast Antennae
Sensor Array
Visual Sensor (3)
Hyperdrive Pod
Infrared Sensor
Thrust Port
Repulsorlift
Drive Unit
Sublight/Hyperdrive
Engines
Manipulator Arm
High-Torque Arm
Laser Cannon
Side View



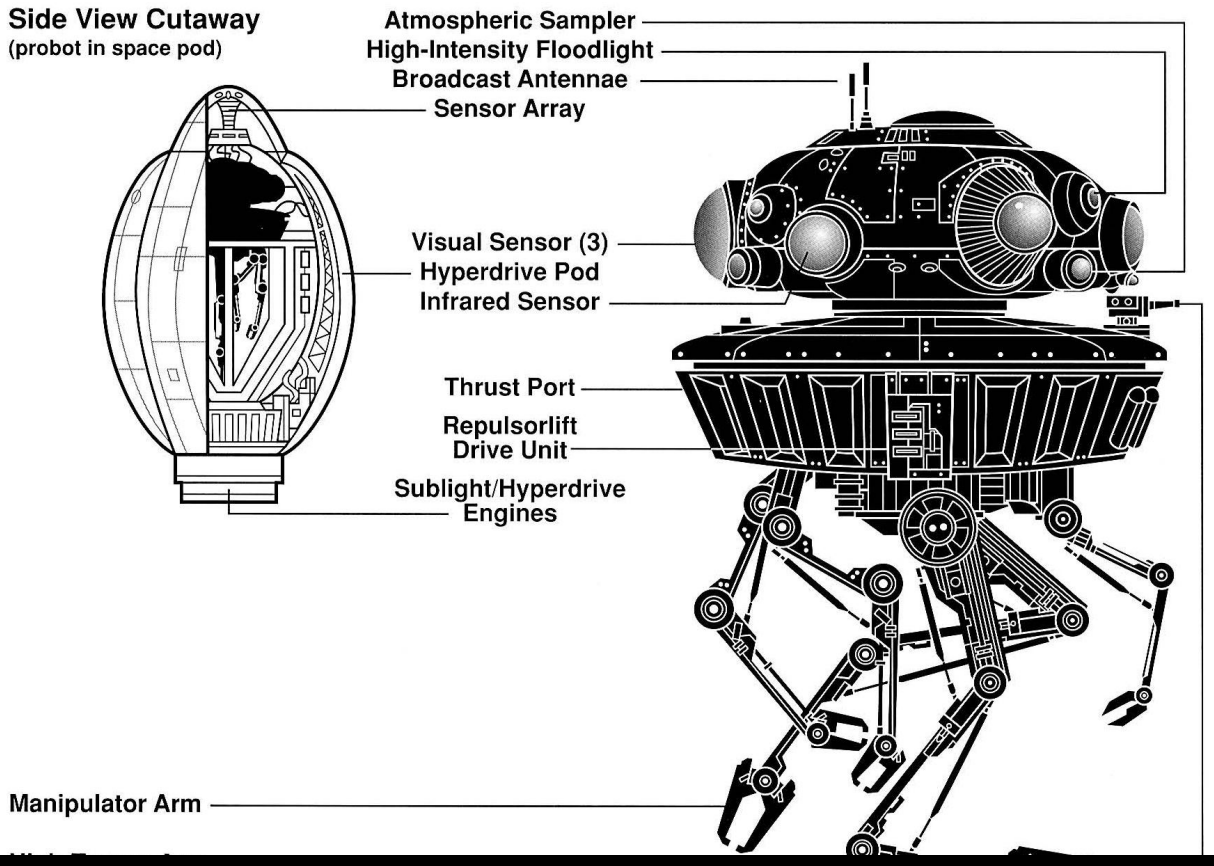
Analyzed and Tracked



Consistent with dependancies



Consistent with subject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Atmospheric Sampler
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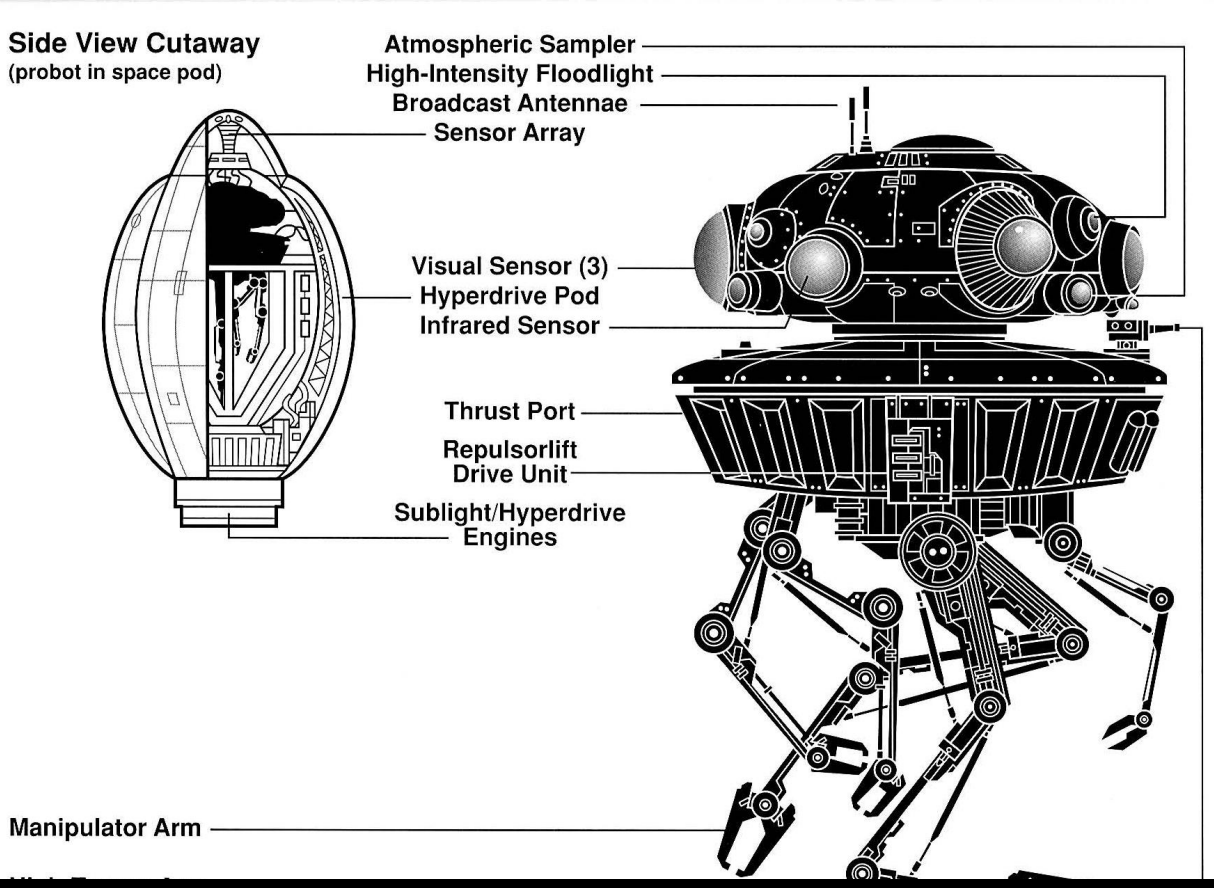
Sensor Array
Visual Sensor (3)
Hyperdrive Pod
Infrared Sensor
Thrust Port
Repulsorlift
Drive Unit
Sublight/Hyperdrive
Engines
Manipulator Arm

Usage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Engines
Manipulator Arm

Referenced

TAKEAWAYS

Episode I DOCUMENTATION MATTERS
Episode II FIGHT UNREAD DOCUMENTATION

Episode III

REVENGE OF THE CODE

War! The Republic is crumbling under attacks by the ruthless binary document format, Count Word.

In a stunning move, a cunning document format, General Braul Puce, has swept into the

Where do you think
you're going?

Documentation as code

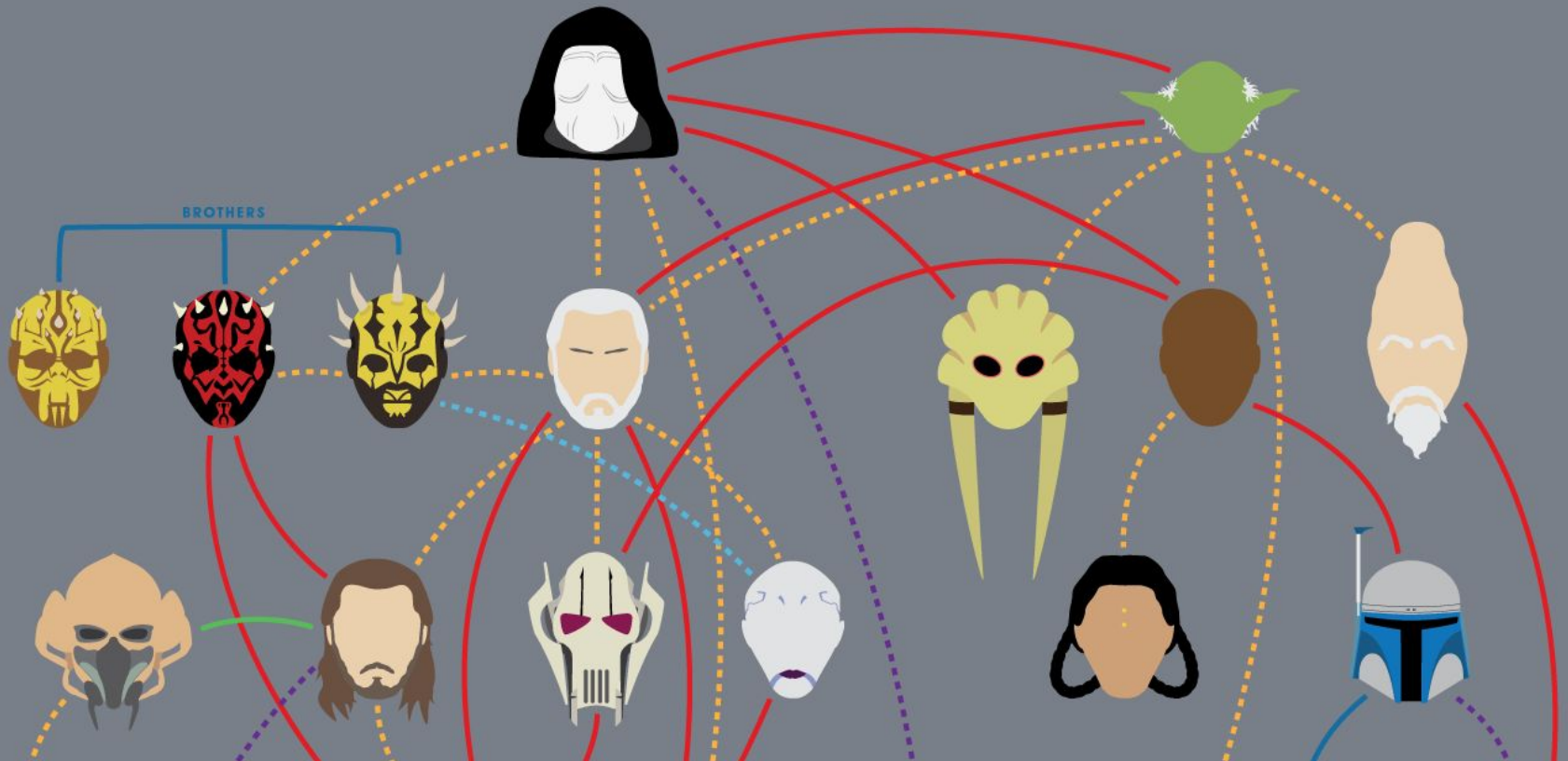
Structured text

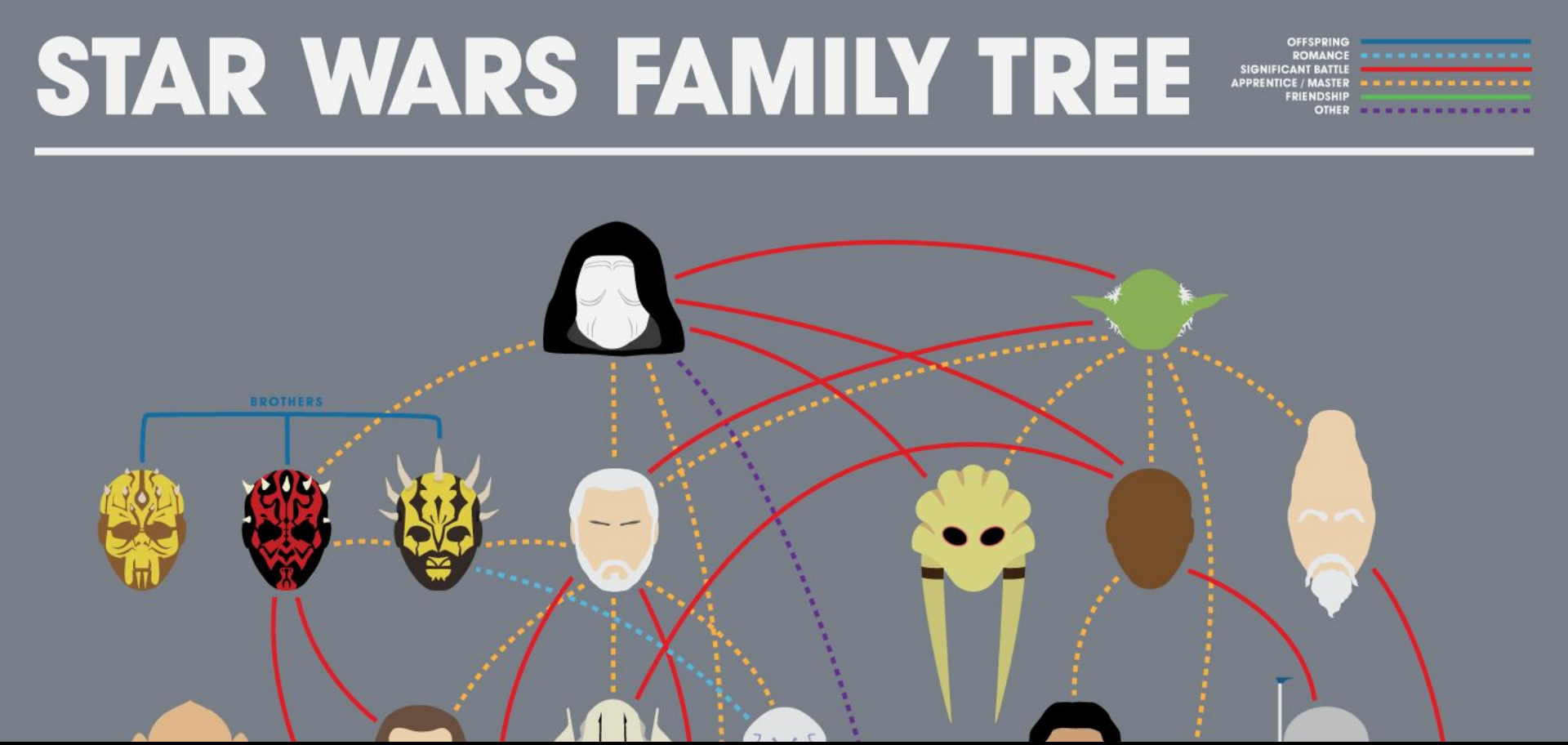
Human and machine readable

Documentation Version Control System

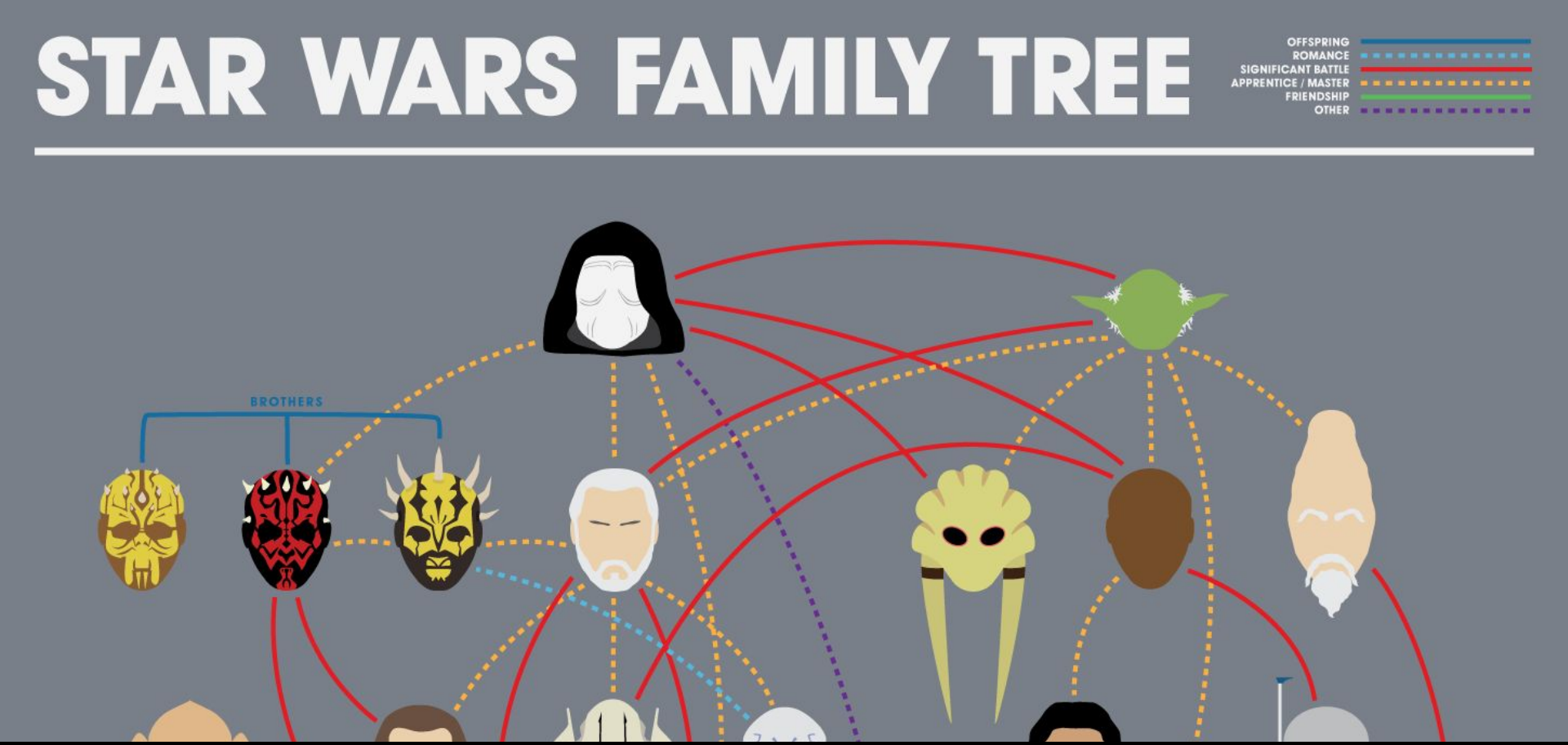
STAR WARS FAMILY TREE

OFFSPRING
ROMANCE
SIGNIFICANT BATTLE
APPRENTICE / MASTER
FRIENDSHIP
OTHER

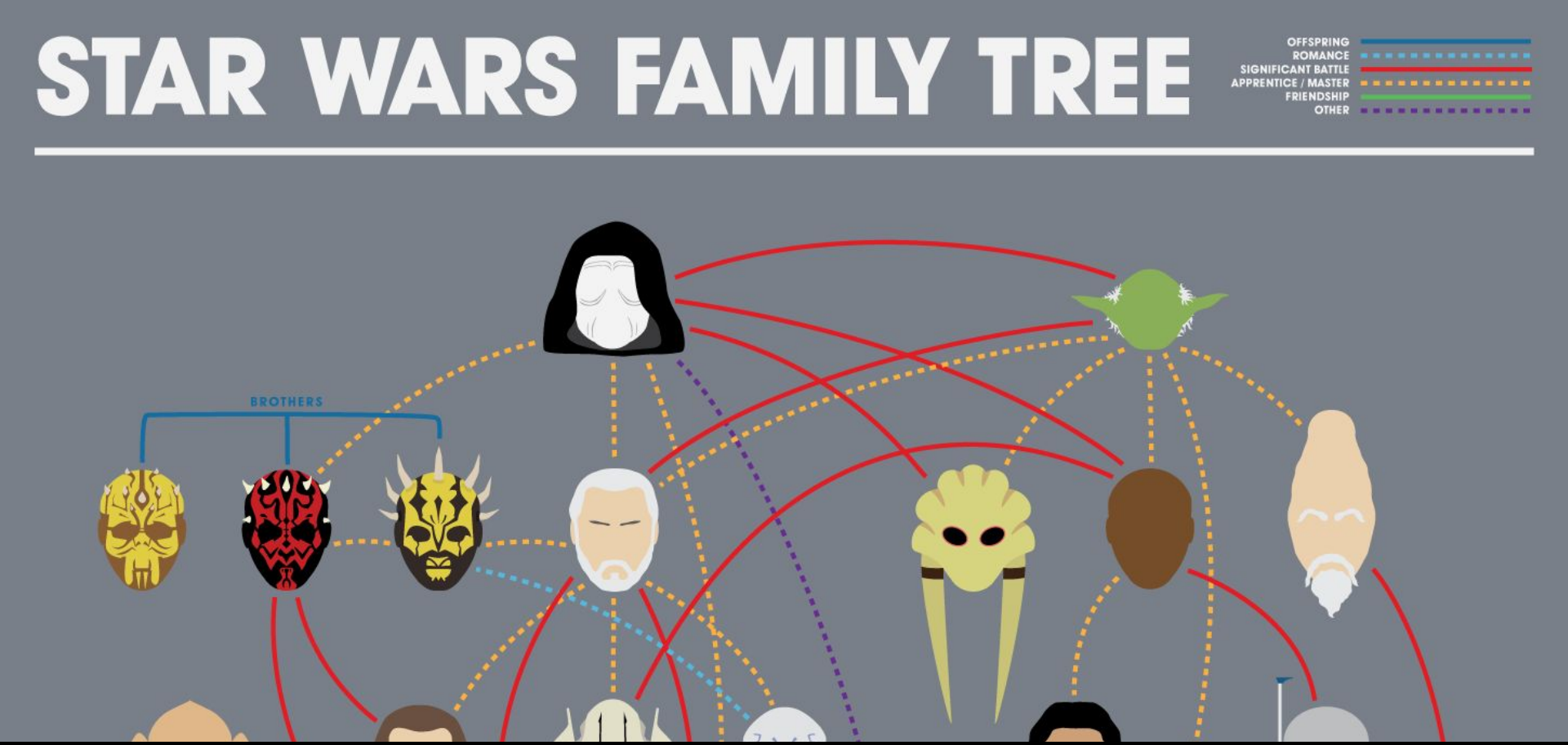




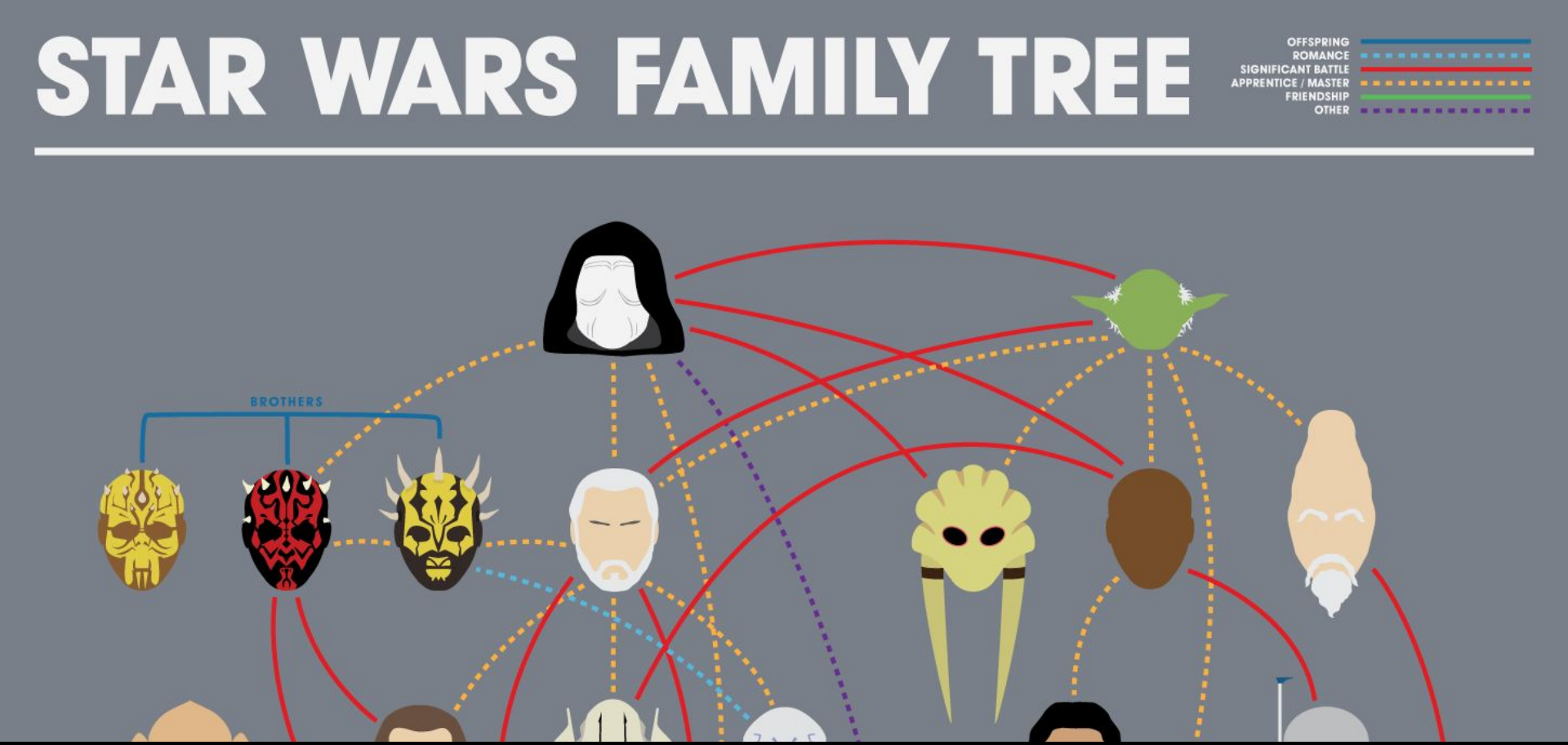
Documentation Package Manager


STAR WARS FAMILY TREE
OFFSPRING
ROMANCE
SIGNIFICANT BATTLE
APPRENTICE / MASTER
FRIENDSHIP
OTHER
BROTHERS

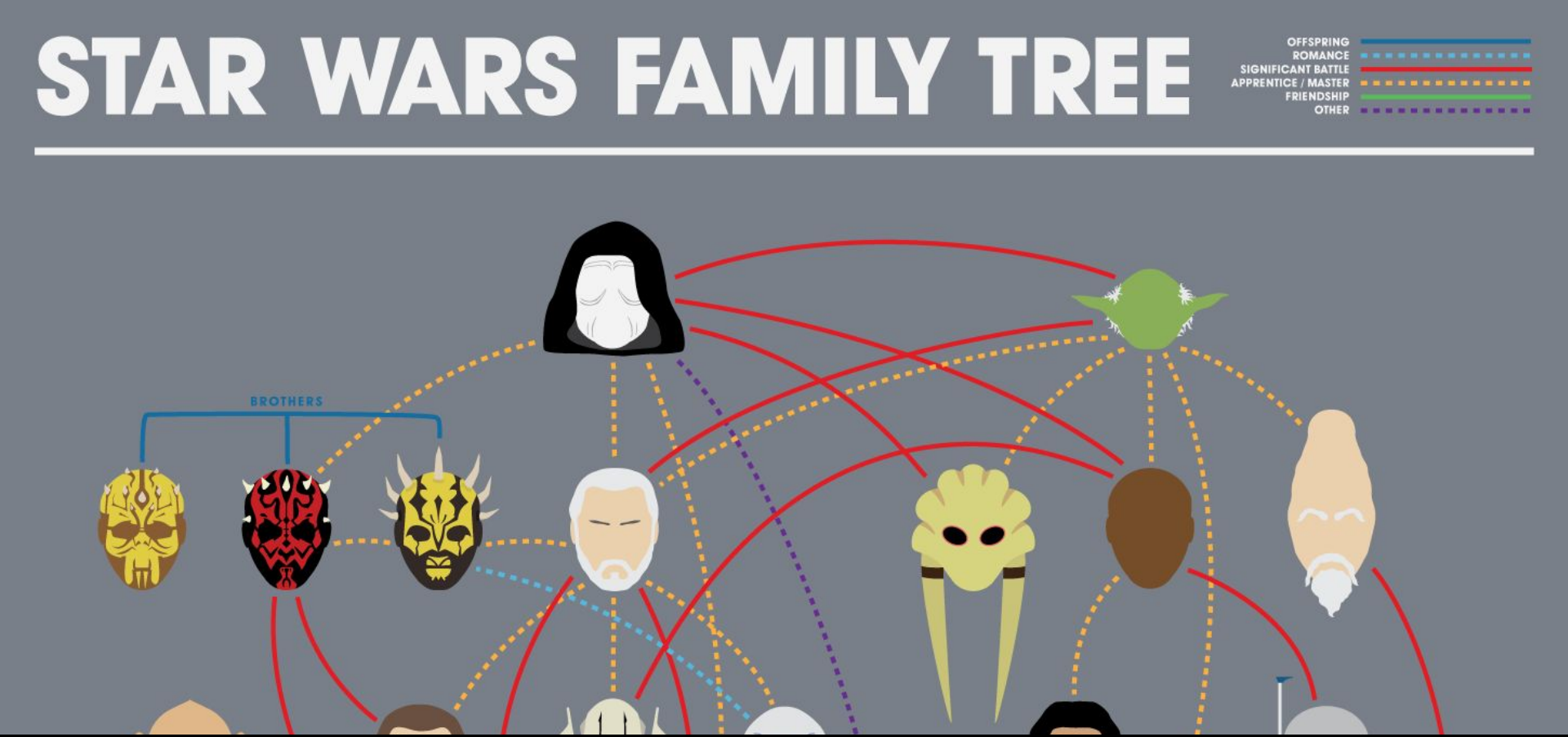
DPM search



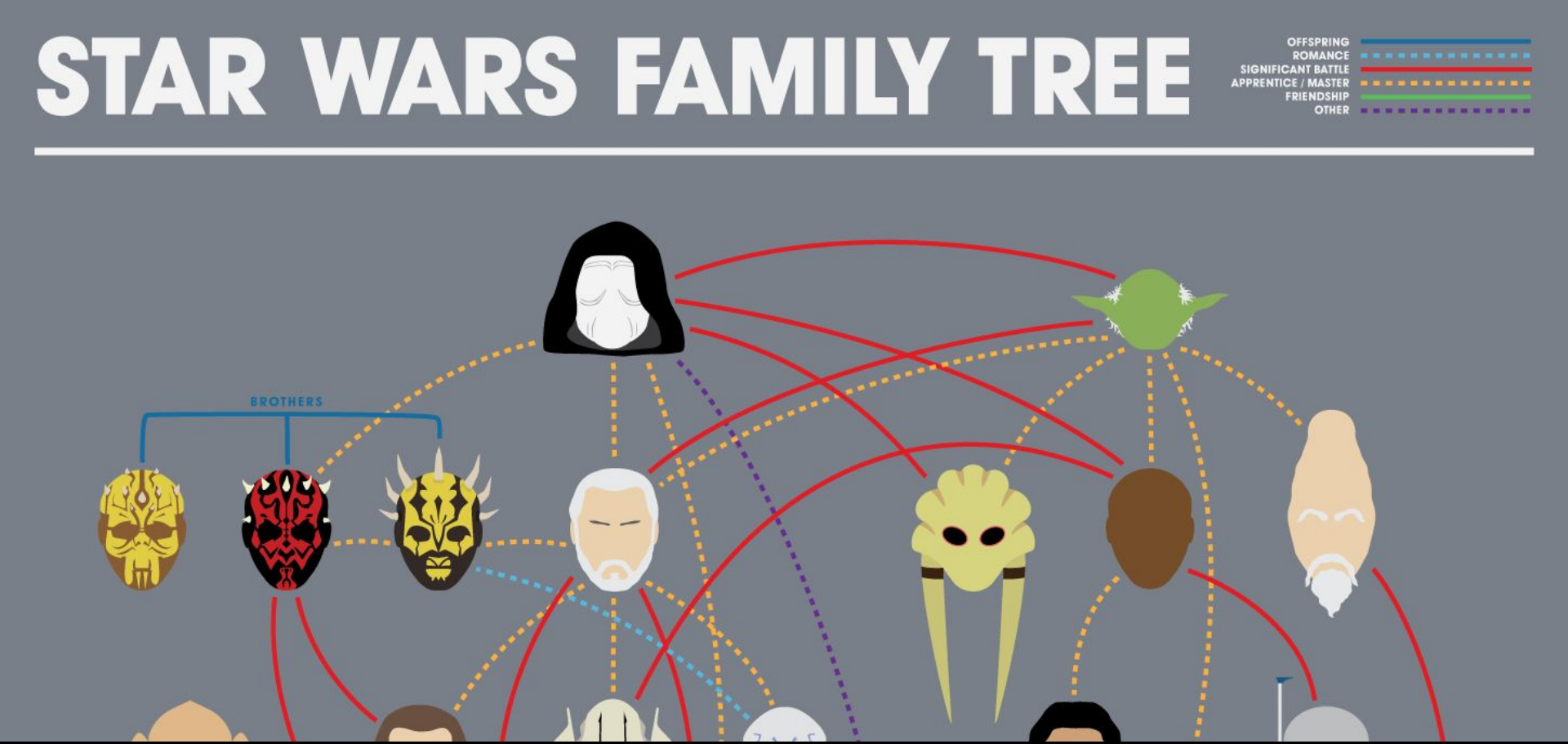
DPM install api-guidelines --save-doc



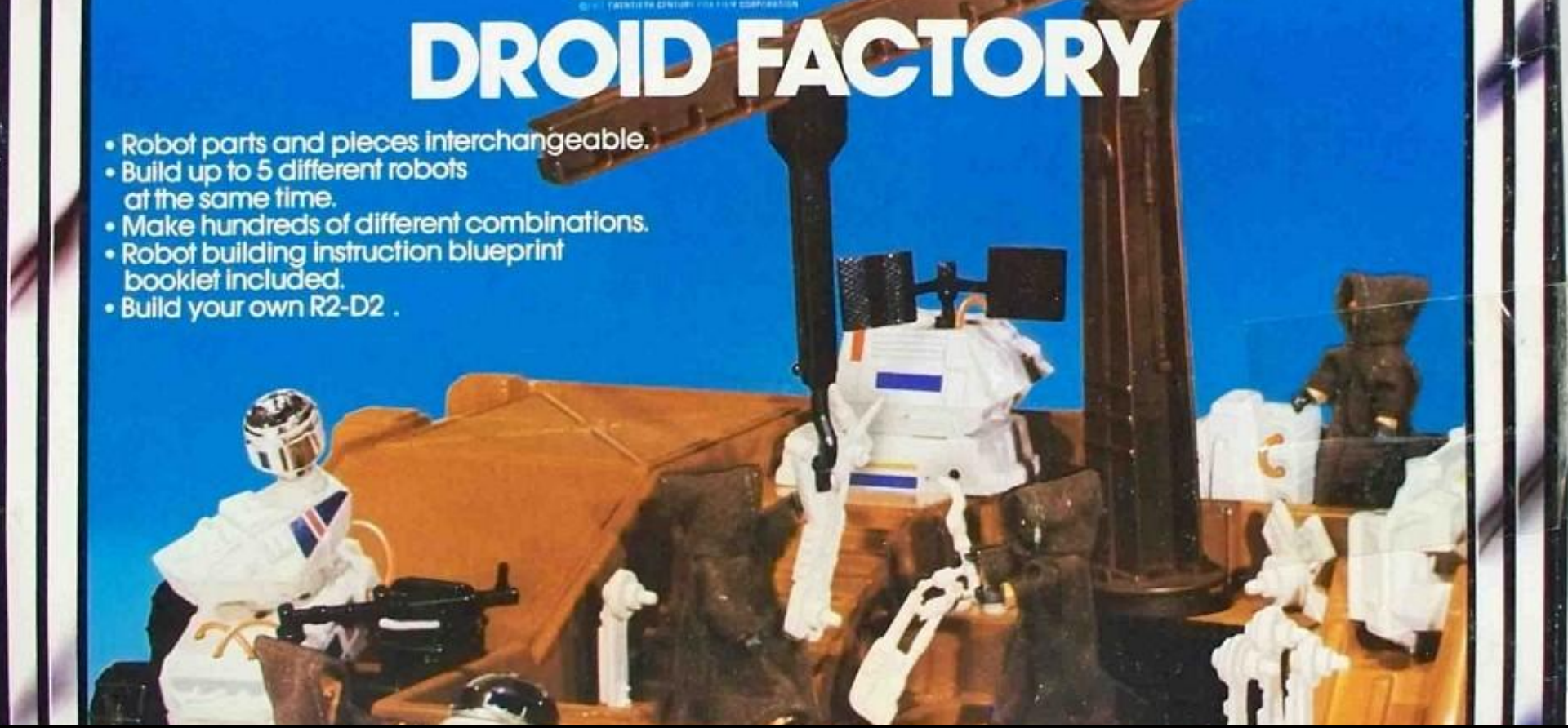
DPM link my-api --save-impl



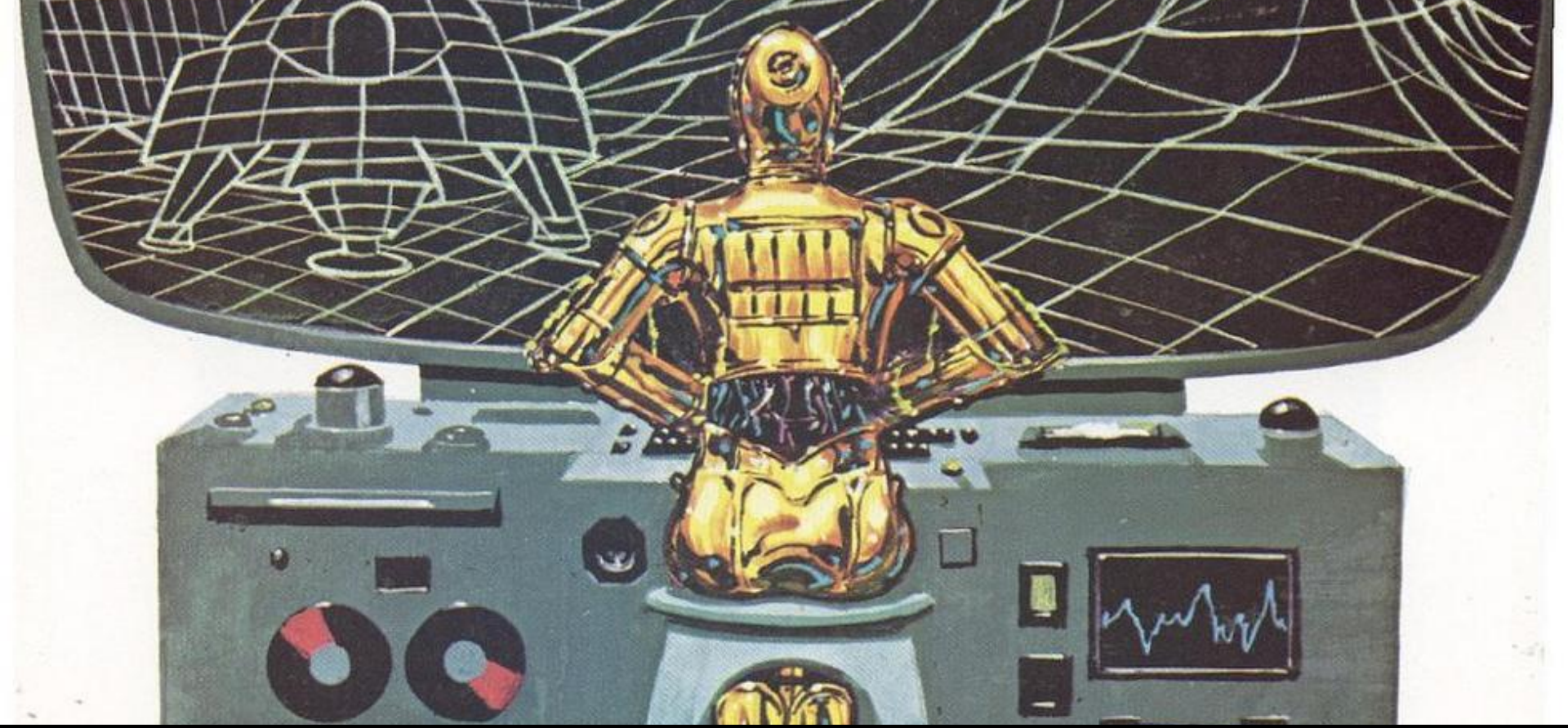
Consistency checked using DPM descriptor



Automatically updated



Documentation Factory



Integrated Documentation Environment

Documentation Continuous Delivery

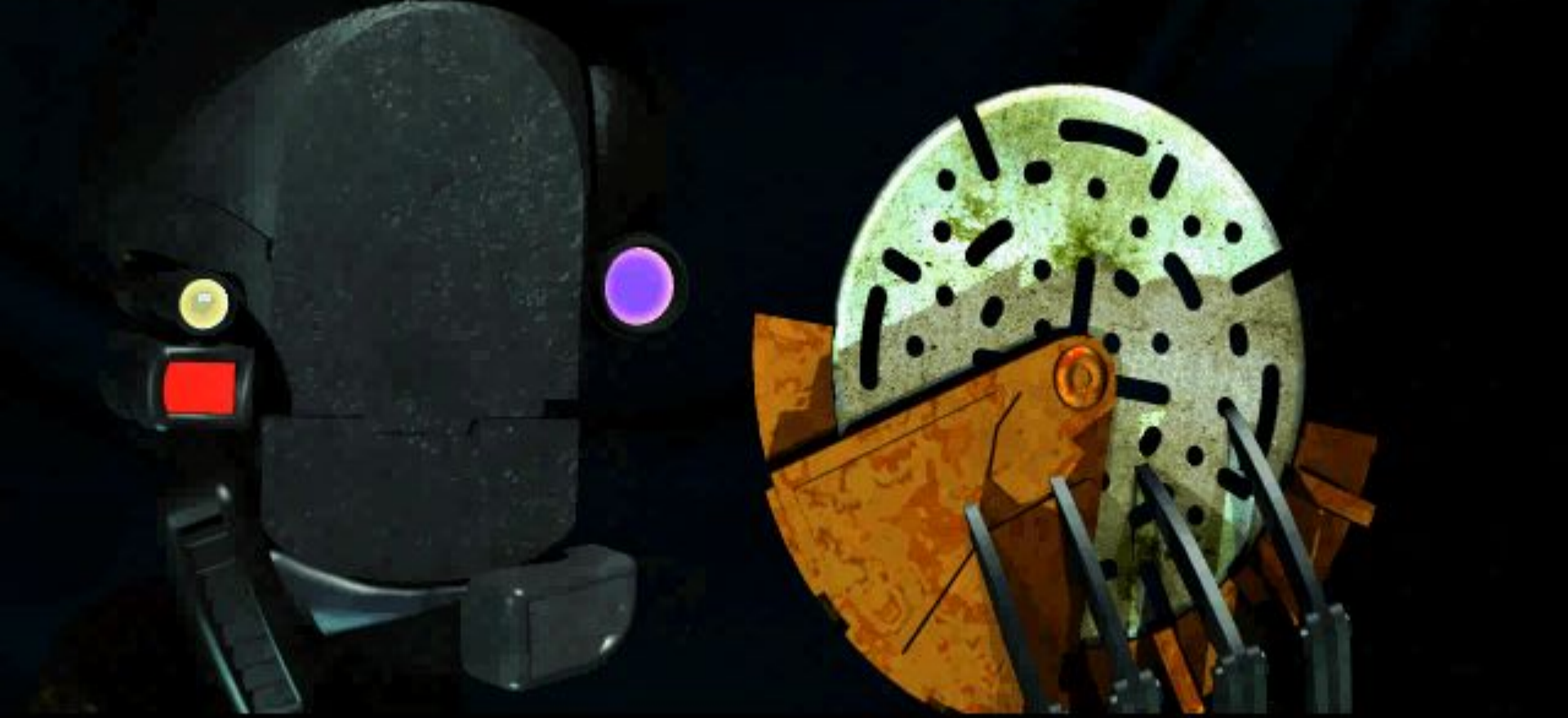
TAKEAWAYS

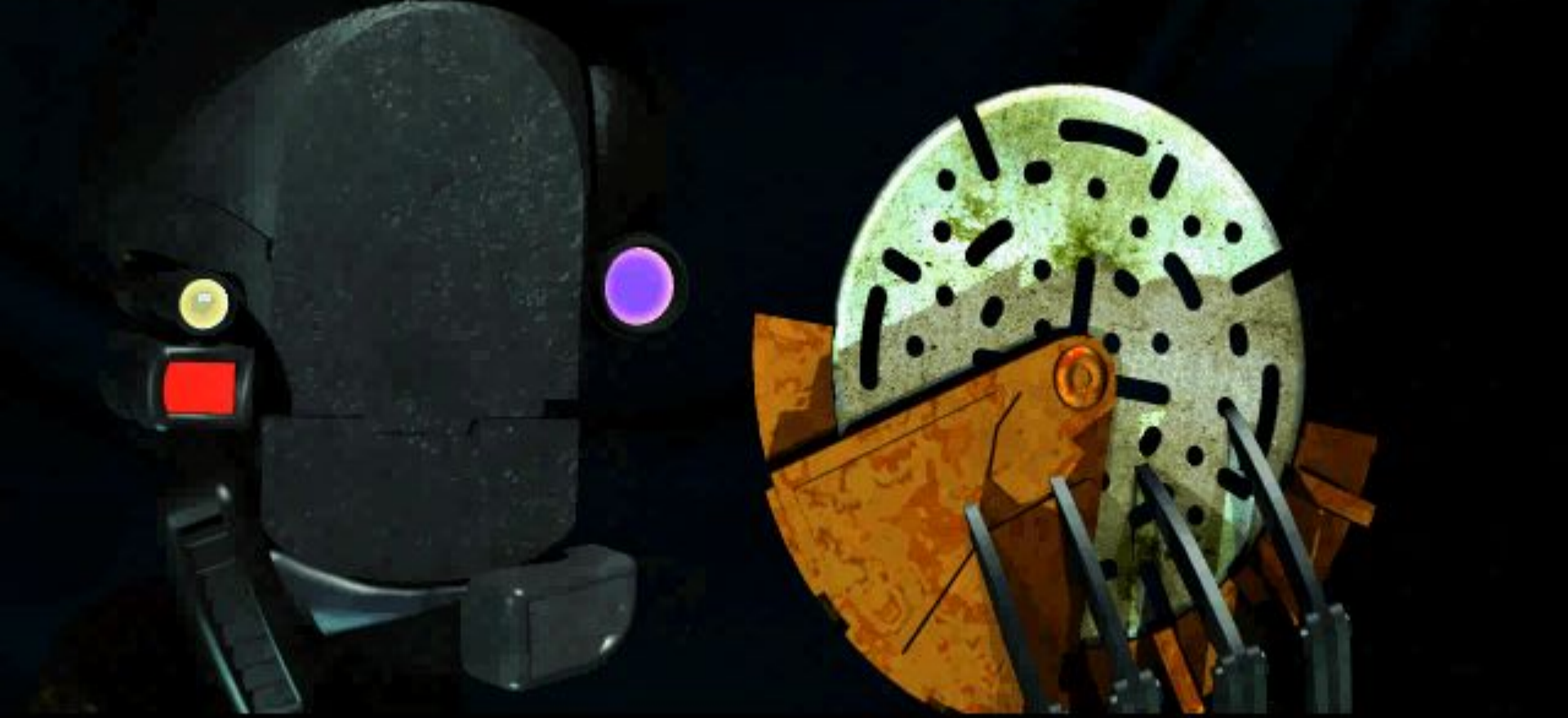
Episode I DOCUMENTATION MATTERS
Episode II FIGHT UNREAD DOCUMENTATION
Episode III TREAT DOCUMENTATION AS CODE

Episode IV

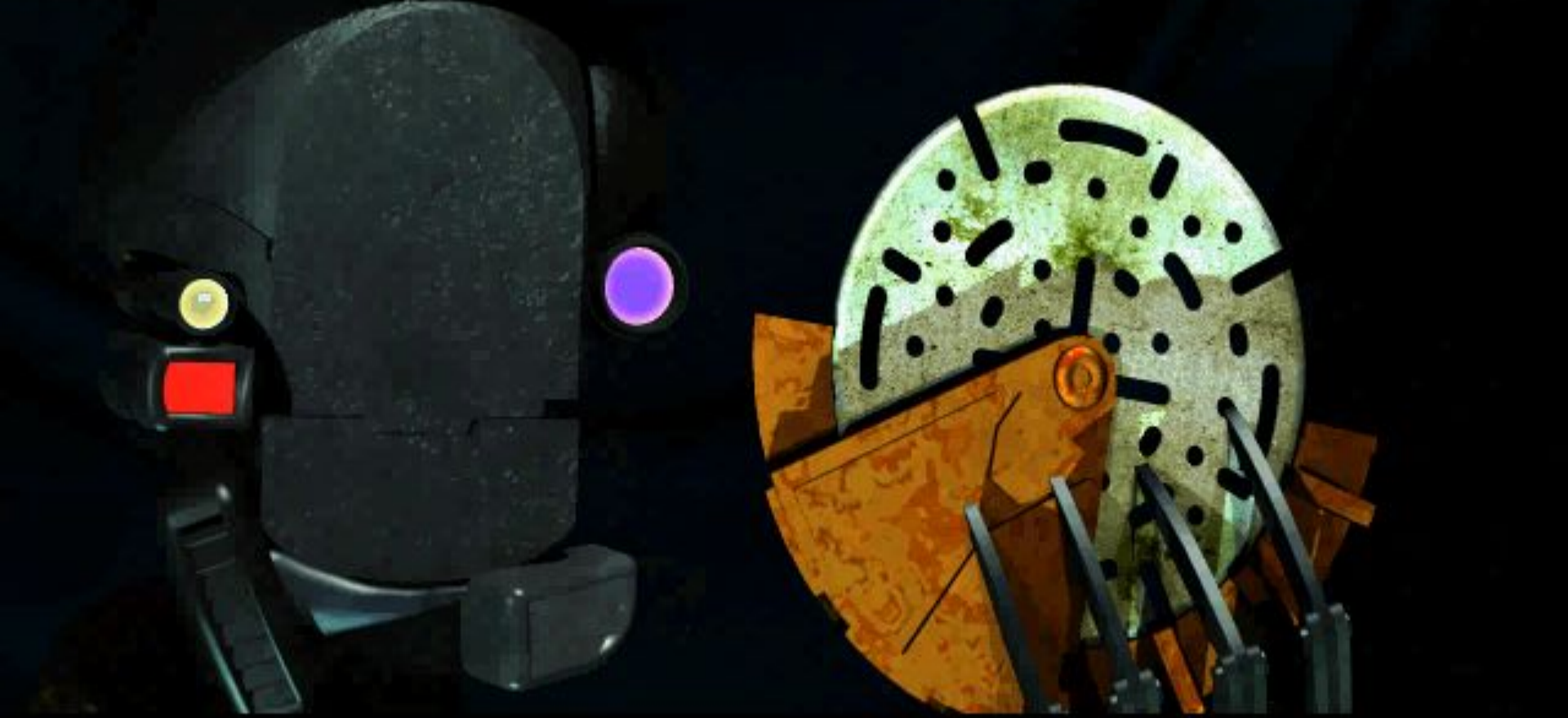
A NEW DATA

It is a period of civil war. Thanks to 3DJS, rebel visualizations have won their first victory against the evil Prose documentation Empire.

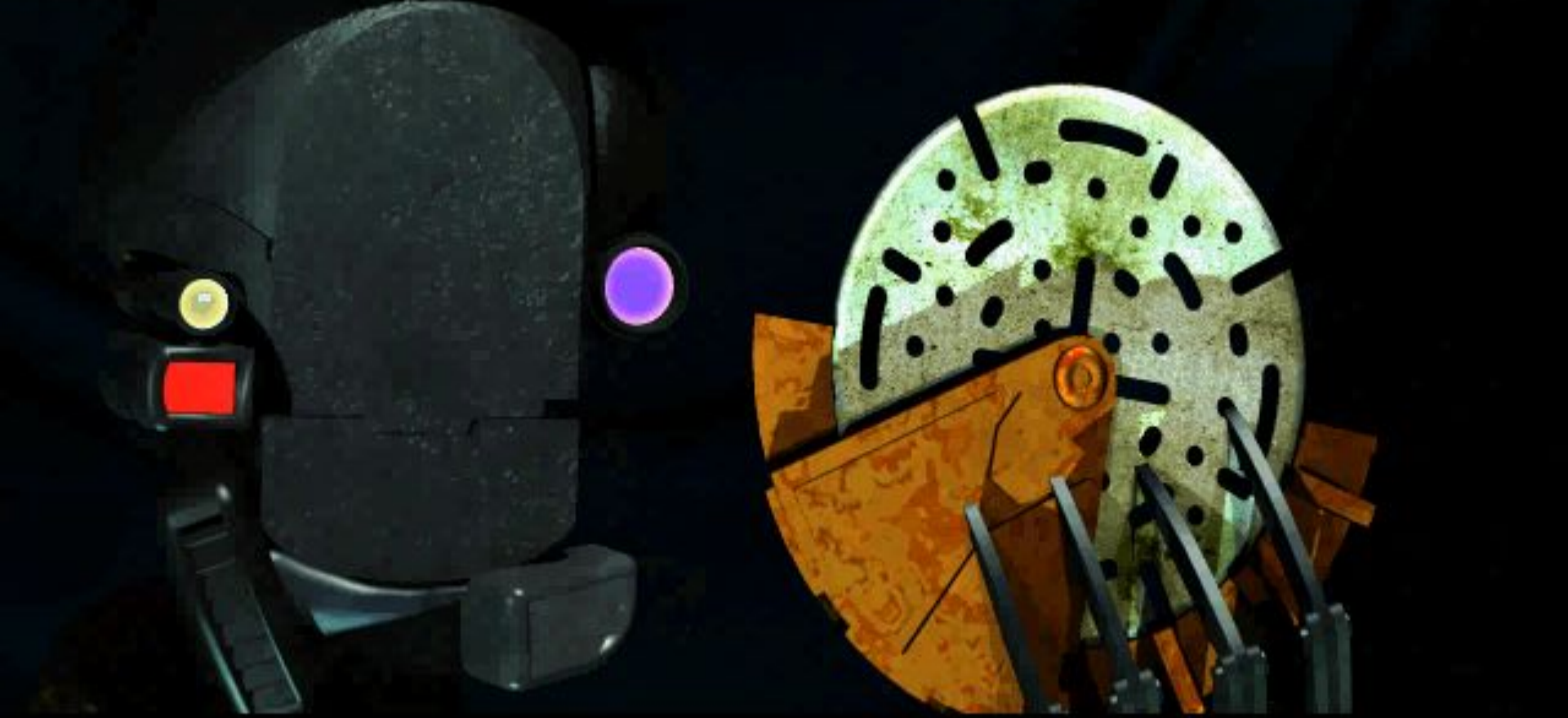




Documentation as Code



Documentation as Data



Documentation as API

Documentation visualization

Interactive Documentation Visualization

TAKEAWAYS

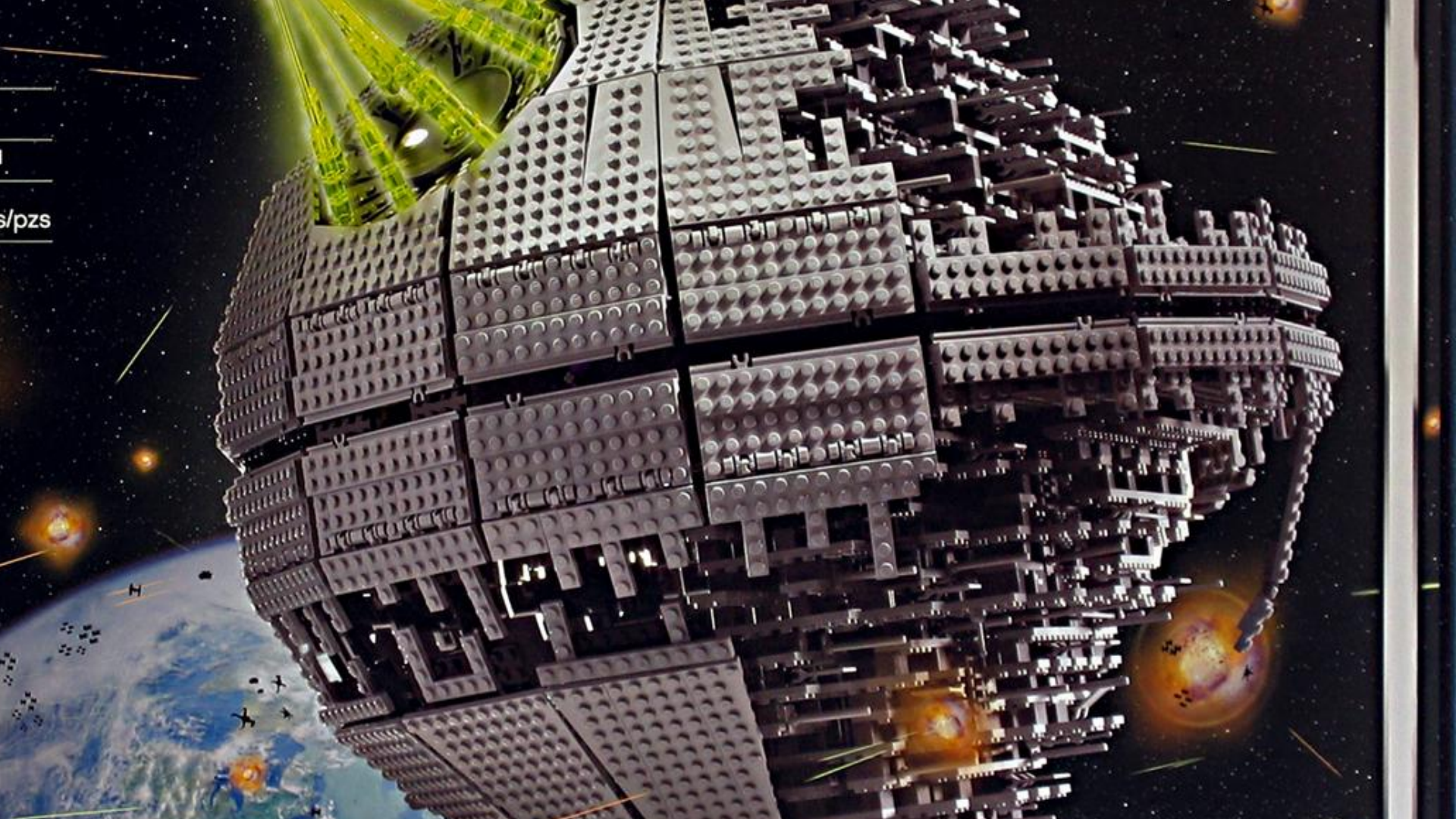
Episode I	DOCUMENTATION MATTERS
Episode II	THINK ABOUT AN IDEAL WORLD
Episode III	TREAT DOCUMENTATION AS CODE
Episode IV	USE DOCUMENTATION AS DATA

Episode V

HUMAN STRIKES BACK

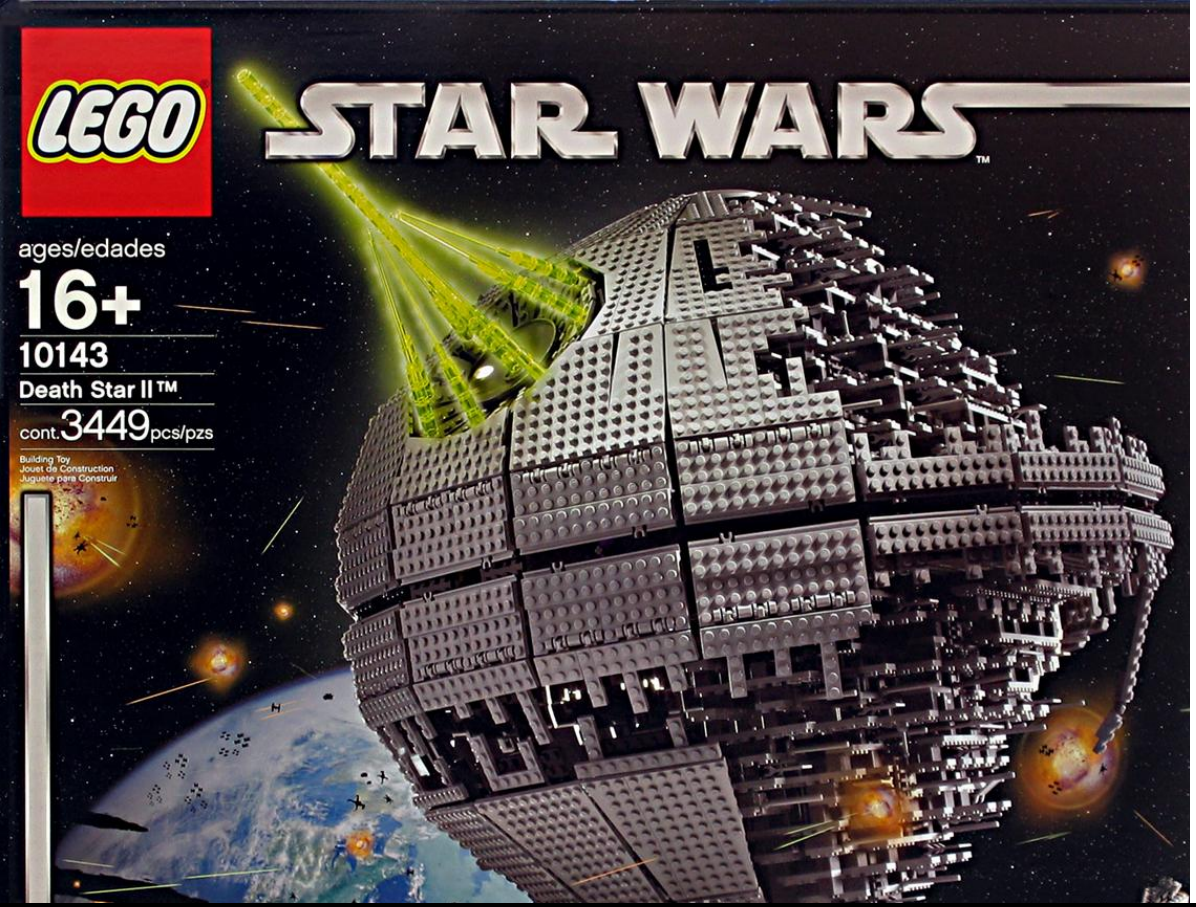
It is a dark time for the Documentation. API Descriptors have driven the Story Telling forces from their hidden base and pursued them across the galaxy.

Documentation is for people



less than 2000 pieces?

more then 2000 thousand?

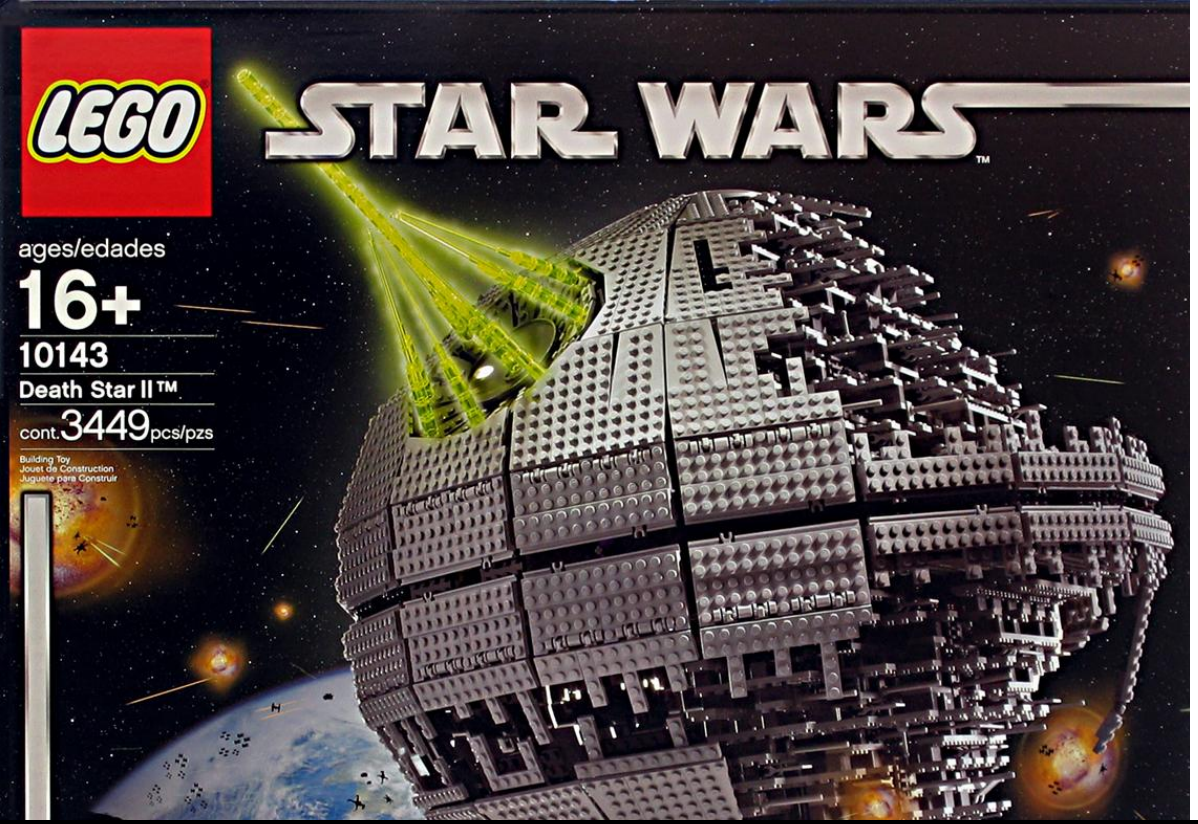


This Set Consists of the following It

[**List** | List with Images] --- [**Standard View** | Break Sets

Image	Qty	Item No	Description
			Regular Items:
			Parts:
Yes	1	10143stk01	Sticker for Set 10143 - (48981/4270751)
Yes	10	3010	Black Brick 1 x 4
Yes	4	3008	Black Brick 1 x 8
Yes	6	6112	Black Brick 1 x 12
Yes	2	3001	Black Brick 2 x 4
Yes	10	3006	Black Brick 2 x 10
Yes	30	30236	Black Brick, Modified 1 x 2 with Handle
Yes	4	41855	Black Brick, Modified 2 x 2 x 2/3 Two Studs,
Yes	1	2434	Black Brick, Modified 2 x 4 x 2 with Studs on
Yes	18	6134	Black Hinge Brick 2 x 2 Top Plate Thin
Yes	1	44567	Black Hinge Plate 1 x 2 Locking with 1 Finger
Yes	32	4477	Black Plate 1 x 10
Yes	28	3034	Black Plate 2 x 8
Yes	2	3832	Black Plate 2 x 10
Yes	33	3032	Black Plate 4 x 6
Yes	2	3030	Black Plate 4 x 10
Yes	2	3029	Black Plate 4 x 12
Yes	11	3297	Black Slope 33 3 x 4
Yes	1	3037	Black Slope 45 2 x 4
Yes	1	4871	Black Slope, Inverted 45 4 x 2 Double
Yes	2	3705	Black Technic, Axle 4

3349 pieces



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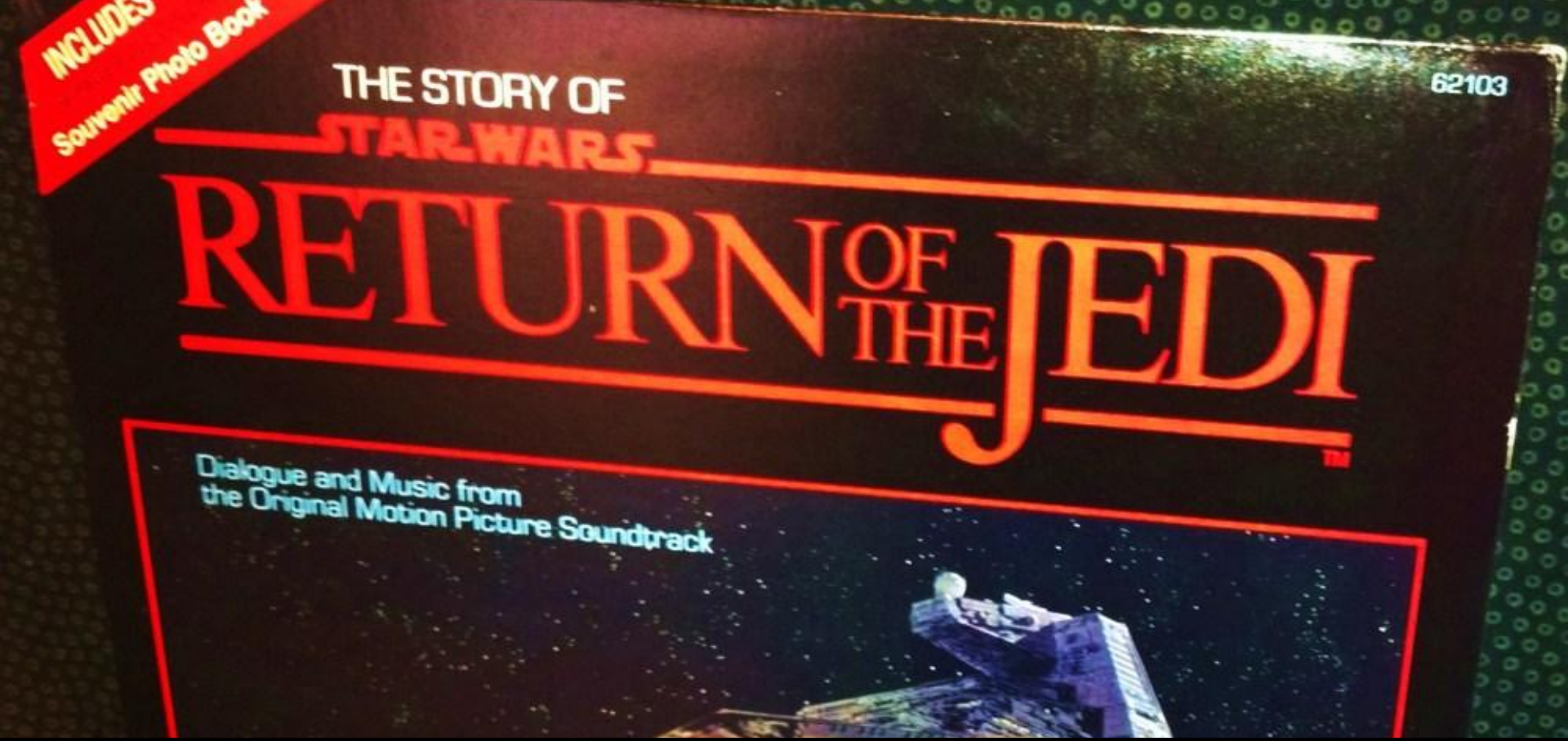
Yes	2	3030	Black Plate 4 x 10
Yes	2	3029	Black Plate 4 x 12
Yes	11	3297	Black Slope 33 3 x 4

An API descriptor is not THE end user's documentation



Story telling

Interactive Story telling

One size does not fit all

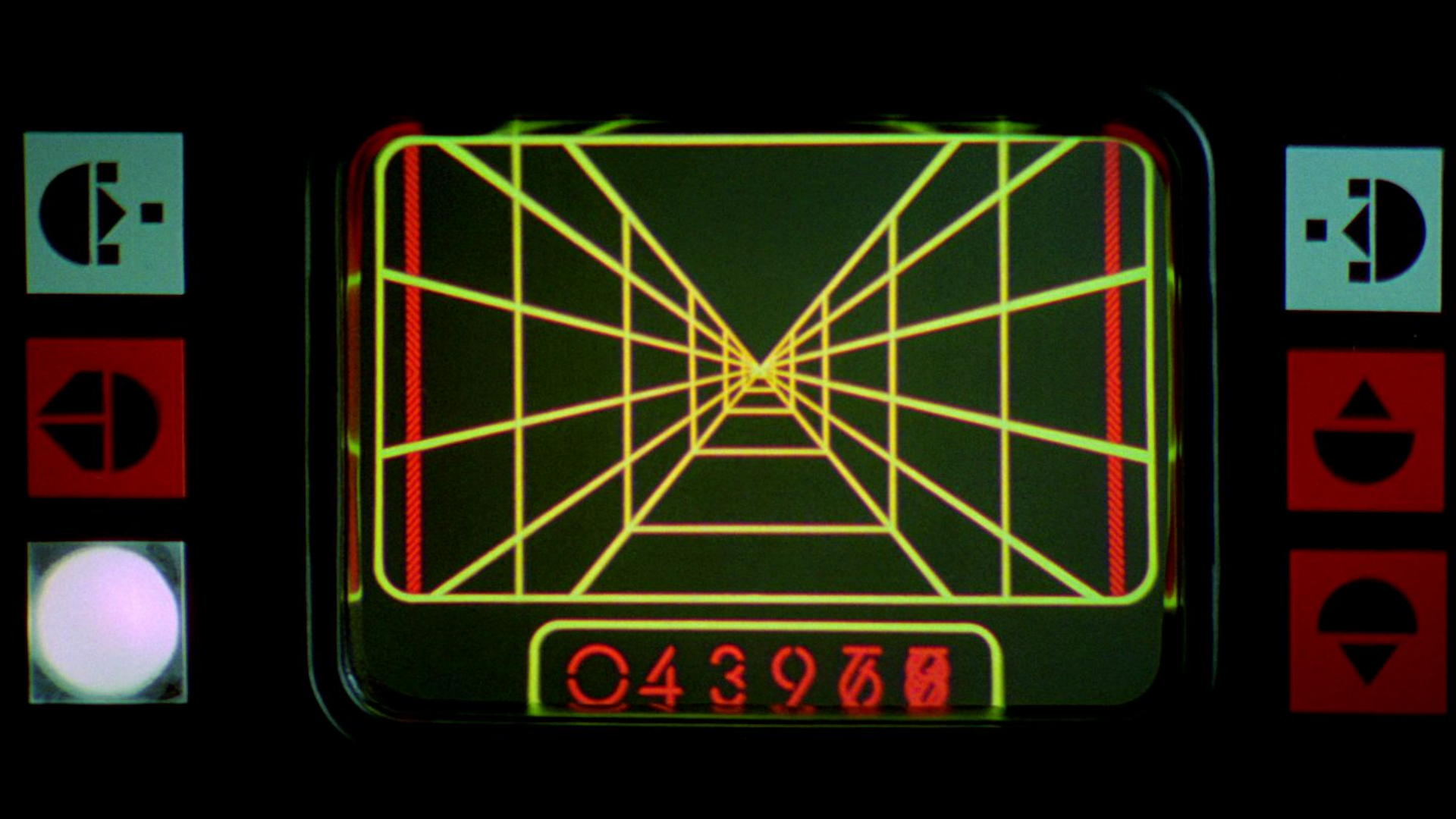
TAKEAWAYS

Episode I	DOCUMENTATION MATTERS
Episode II	FIGHT UNREAD DOCUMENTATION
Episode III	TREAT DOCUMENTATION AS CODE
Episode IV	USE DOCUMENTATION AS DATA
Episode V	DOCUMENTATION IS FOR PEOPLE TOO

Episode VI

RETURN OF THE META

Master Lin Kane has returned to his home planet of Hypermedia, to forge the ultimate documentation APISJSON in a attempt to rescue the API providers from the clutches of the vile gangster Jabba the


043960

Hyperdocumentation

Hypermedia

Content negotiation

application/json+documentation

documentation/tutorial+video

Metadocumentation

TAKEAWAYS

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Episode V	DOCUMENTATION IS FOR PEOPLE TOO
Episode VI	PROVIDE META DOCUMENTATION

Episode VII

APIVERSE AWAKENS

Is this only a dream? Is this only a utopia?

Will the API community find out how to achieve API and documentation symbiosis...

I can’t believe it.
This is why you fail.

SO MANY SEEDS

Meta documentation	APIS.JSON ...
Text documentation	MARKDOWN ASCIIDOC YAML ...
Visualizations	3DJS MERMAID UNITY ...
API descriptors and tools	SWAGGER RAML BLUEPRINT ...
Hypermedia and tools	SIREN HAL HYDRA UBER …
Data and dependancies	NEO4J NPM PIP RUBYGEMS ...
CI and CD tools	JENKINS GO CD …
Concepts	TDD BDD UML MICROSERVICES ...
Documentation tools	ARDOQ CORILLA ...
...	...

TAKEAWAYS

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Episode III	TREAT DOCUMENTATION AS CODE
Episode IV	USE DOCUMENTATION AS DATA
Episode V	DOCUMENTATION IS FOR PEOPLE TOO
Episode VI	PROVIDE META DOCUMENTATION
Episode VII	THIS IDEAL IS WITHIN REACH

Created by

@apihandyman ARNAUD LAURET

VERY SPECIAL THX

@paulsbruce PAUL BRUCE

@jkriggins JENNIFER K. RIGGINS

@kinlane KIN LANE

and GEORGE LUCAS

MAY THE DOCUMENTATION BE WITH YOUR API.
ALWAYS.

Join #APIDOCS