



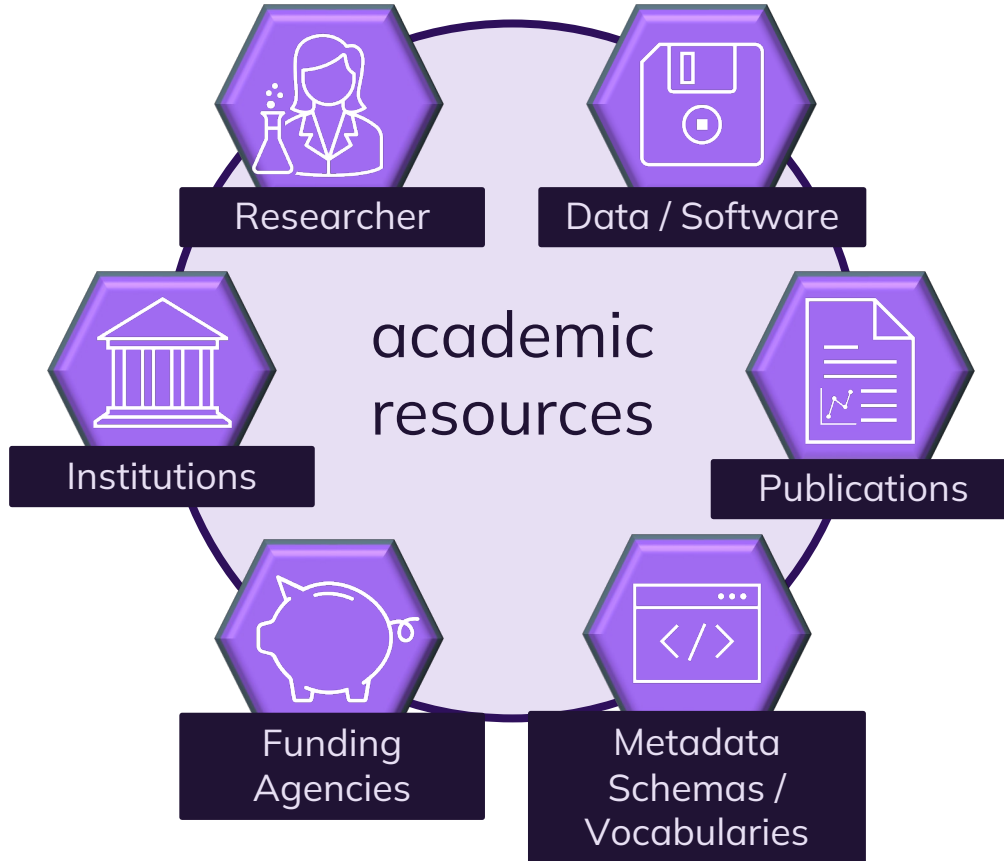
## Ensuring Longevity of Web Resources

Persistent Identifiers (PIDs)

Fundamentals of Scientific Metadata: Why Context Matters



# What are PIDs?



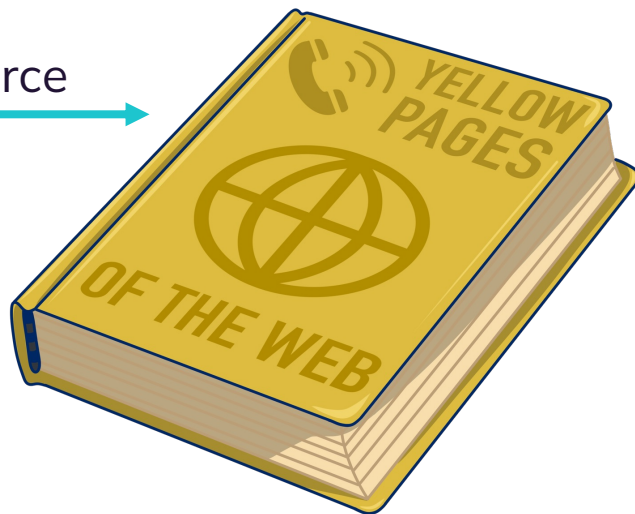
- **Persistent, unique and long-lasting references** to digital objects (web resources).
- include information on **location** and **protocol**
- ensure permanent **identifiability, referenciability** and **retrievability**

# How do PIDs work?



**PID** identifies Resource

<https://doi.org/10.1021/acs.jchemed.8b00206>



locates Resource

**URL**

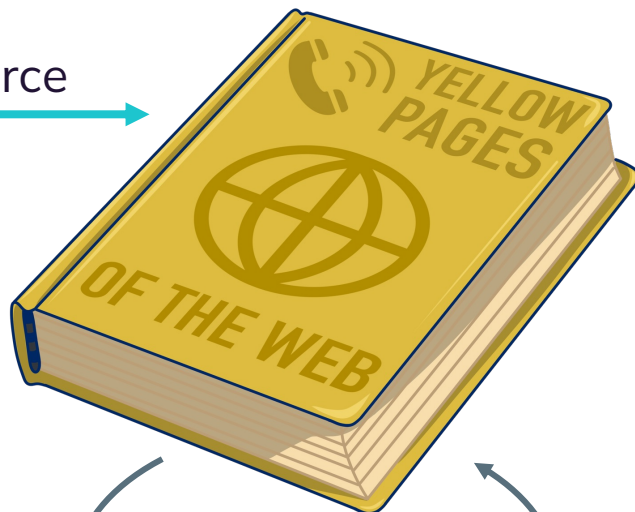
<https://pubs.acs.org/doi/10.1021/acs.jchemed.8b00206>

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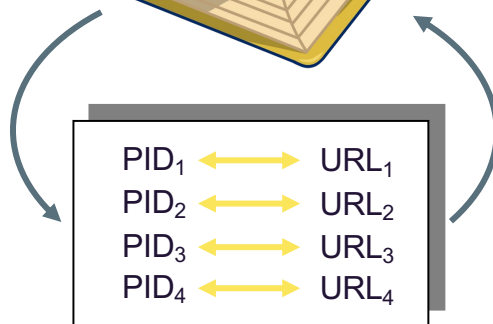
[https://doi.org/10.1021/  
acs.jchemed.8b00206](https://doi.org/10.1021/acs.jchemed.8b00206)



locates Resource

**URL**

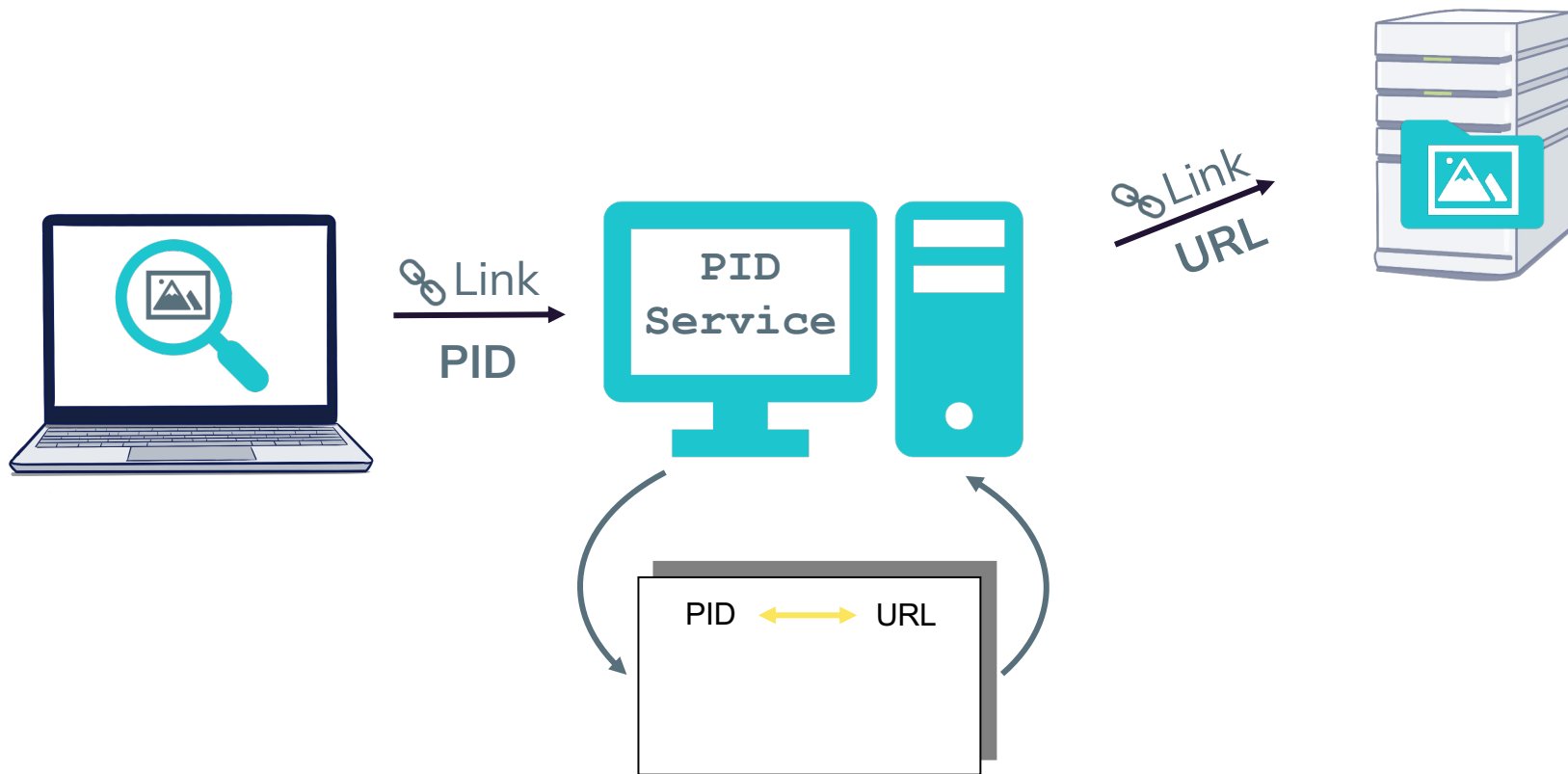
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b00206](https://pubs.acs.org/doi/10.1021/acs.jchemed.8b00206)



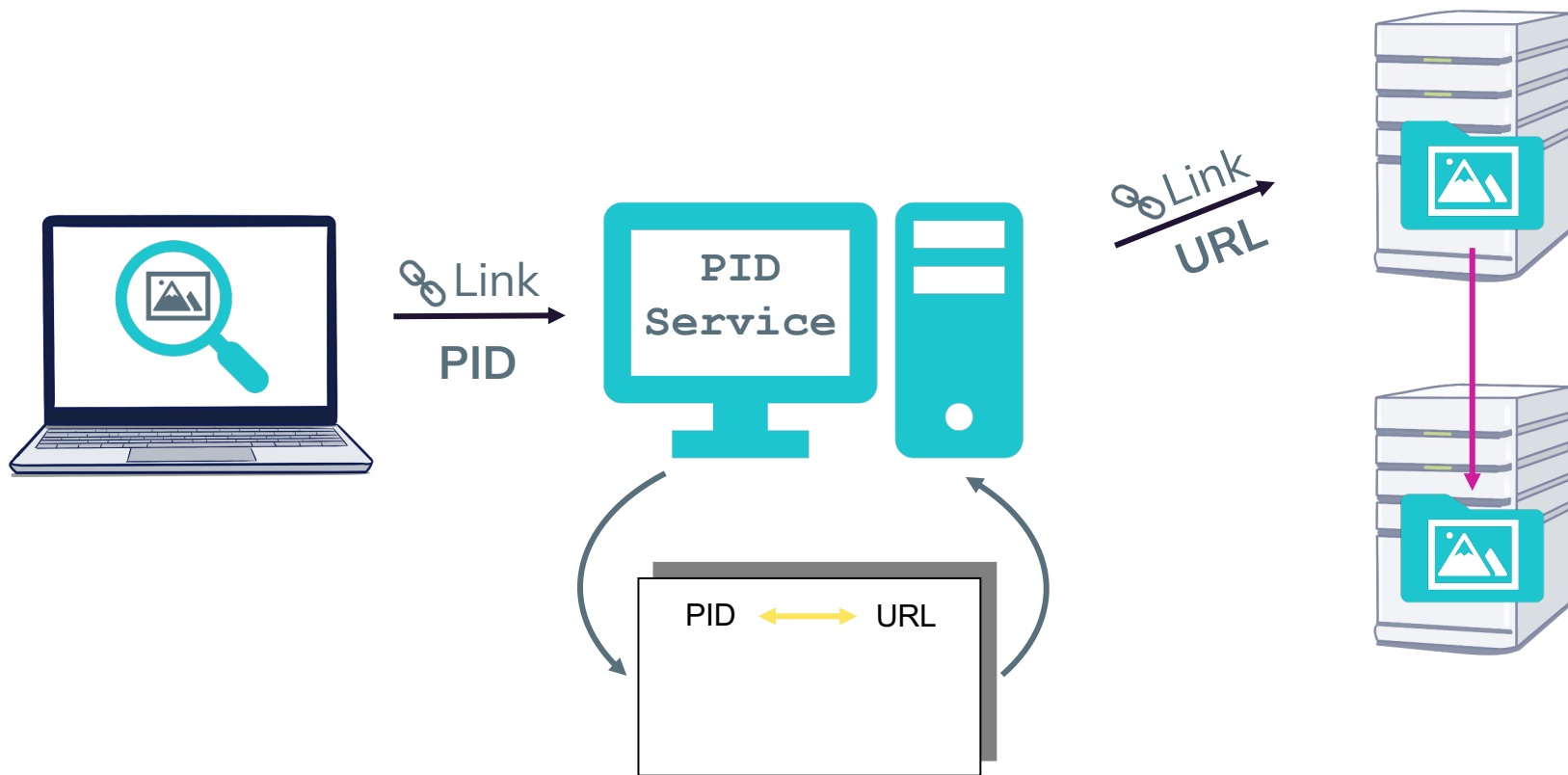
# How do PIDs work?



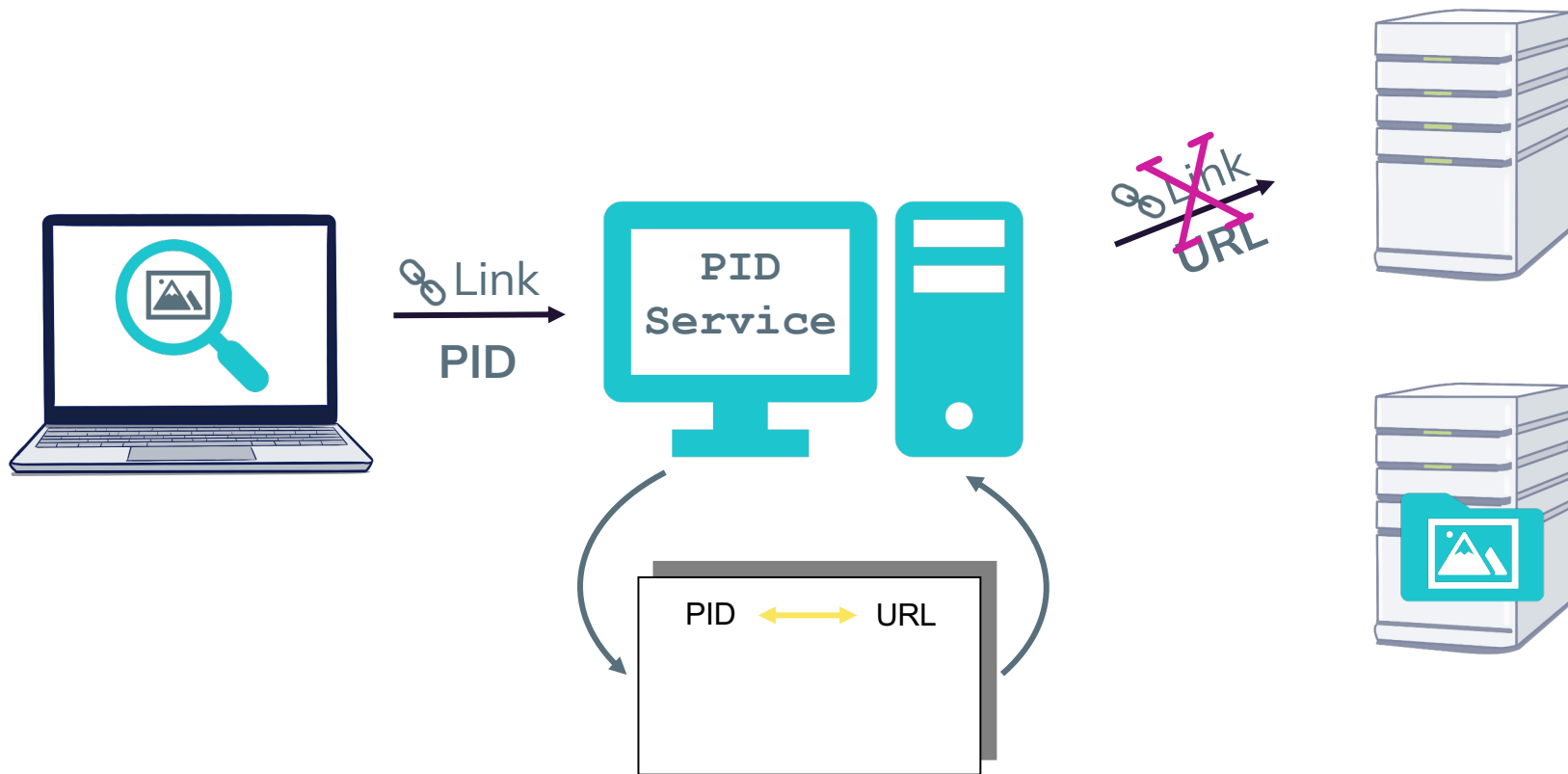
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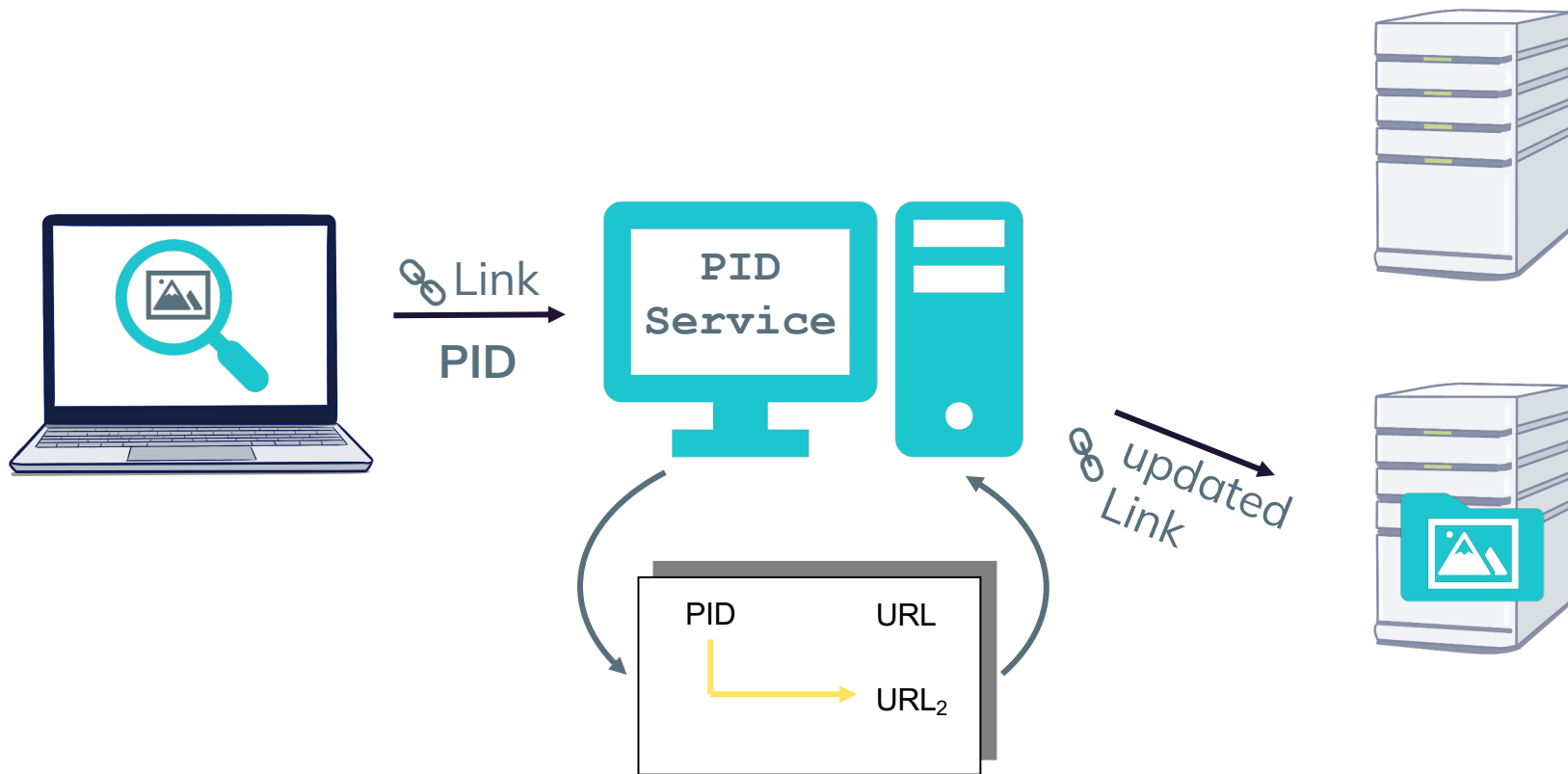


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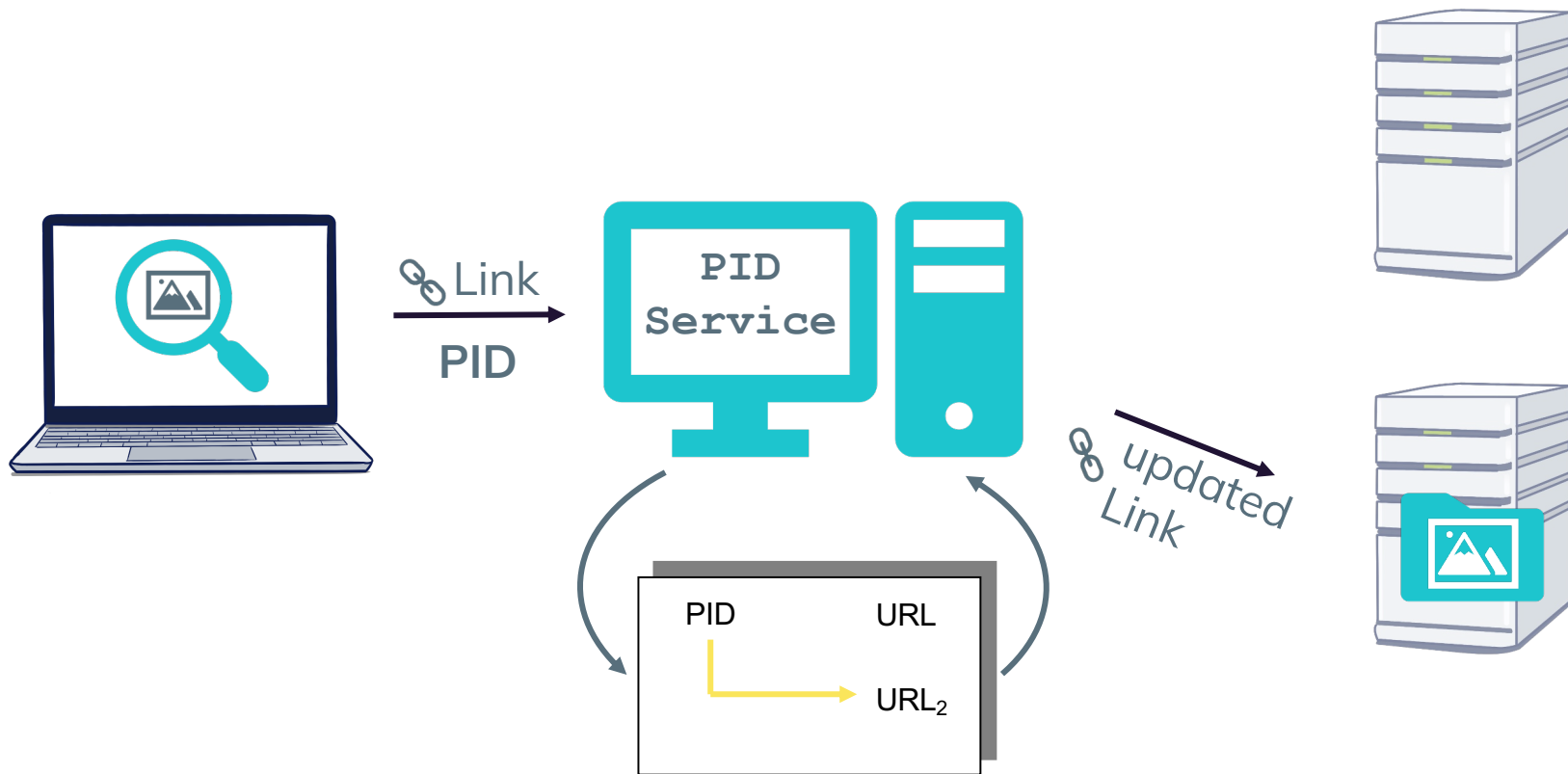


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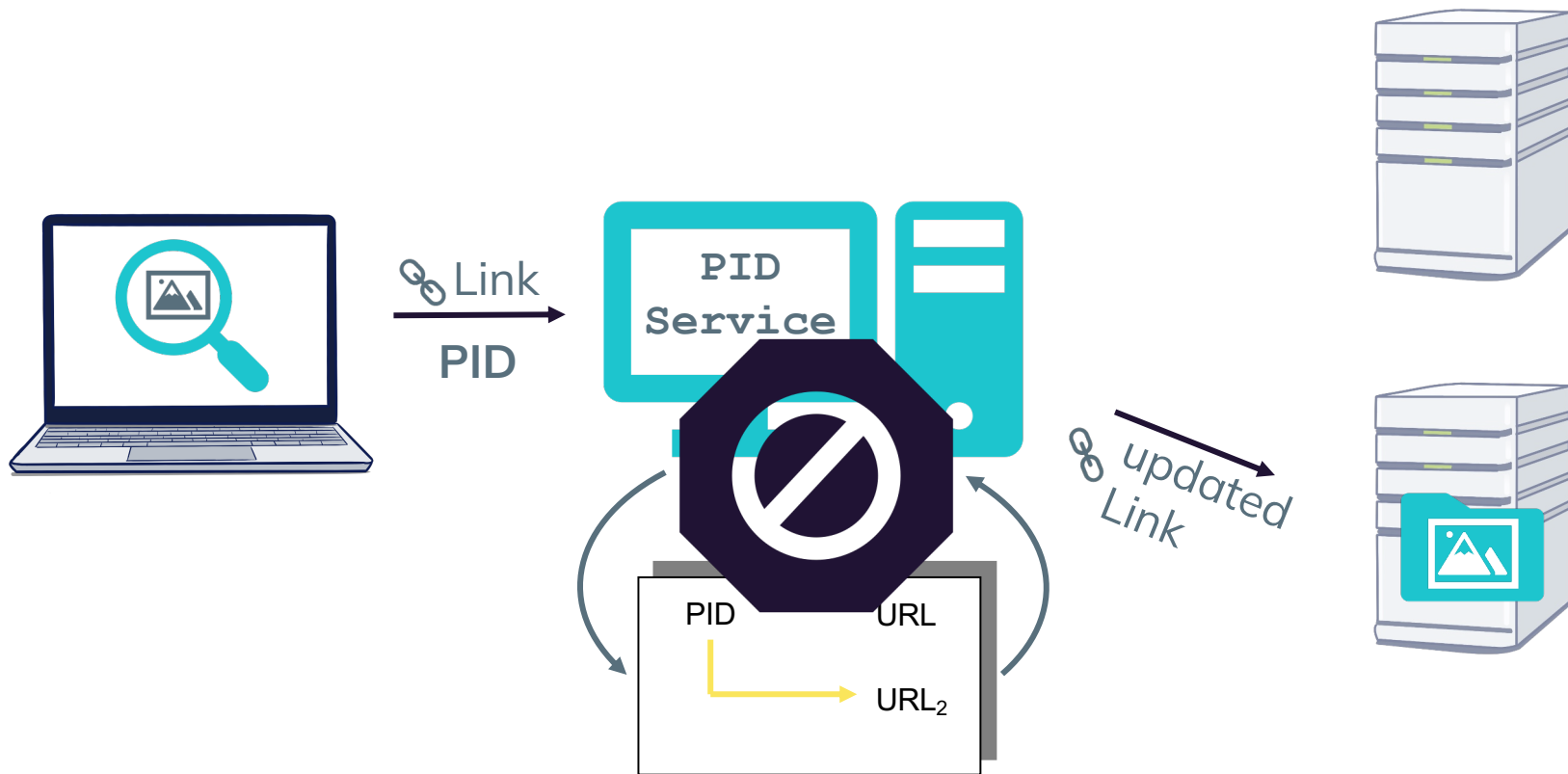


- **PID service** provides **technical infrastructure** for redirections
- **Resource provider** (you, journal, repository) is responsible for **updating the URL**.

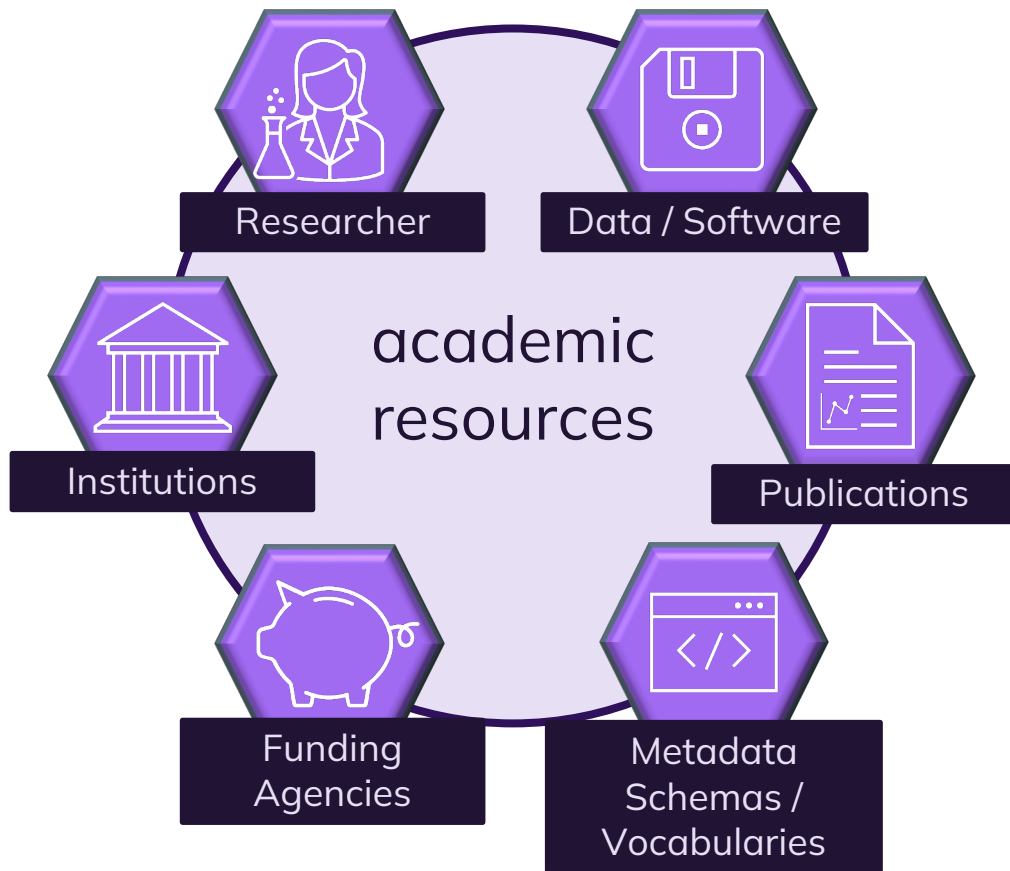
# How do PIDs work?



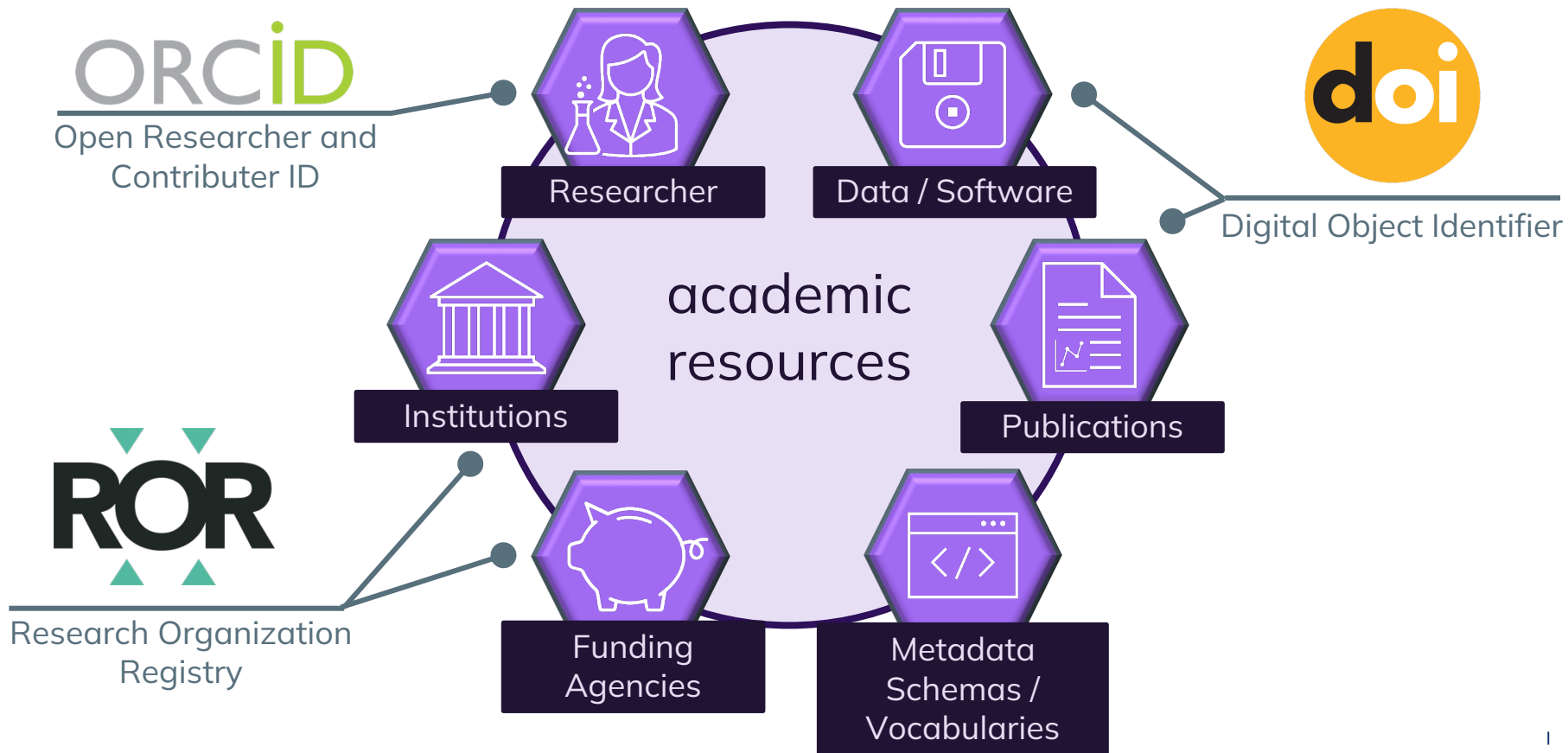
# How do PIDs work?



# Trustworthy PID services in academia



# Trustworthy PID services in academia





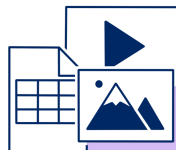
“A DOI is a digital identifier of an object, any object — physical, digital, or abstract. DOIs solve a common problem: keeping track of things. Things can be matter, material, content, or activities.”

- *doi Foundation*

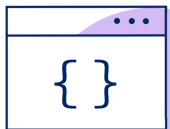
# DOI – Digital Object Identifier



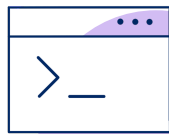
Research Articles



Data Objects



Metadata Records



Code & Software



“A DOI is a digital identifier of an object, any object — physical, digital, or abstract. DOIs solve a common problem: keeping track of things. Things can be matter, material, content, or activities.”

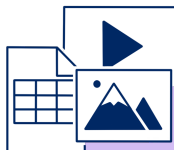
- *doi Foundation*



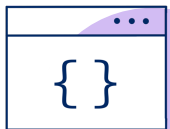
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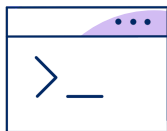
Research Articles



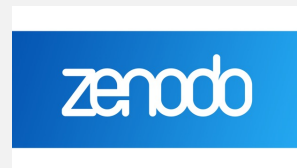
Data Objects



Metadata Records



Code & Software



Repositories



Scientific Journals

Questions?



# DISCLAIMER

This slide deck is part of the Lesson

**Fundamentals of Scientific Metadata:  
Why Context Matters**

published on **The Carpentries Incubator**.

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You can find more information about this course on [Github](https://github.com).



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