

# **ICAT deployed in Central Laser Facility at Rutherford Appleton Laboratory**

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# COP

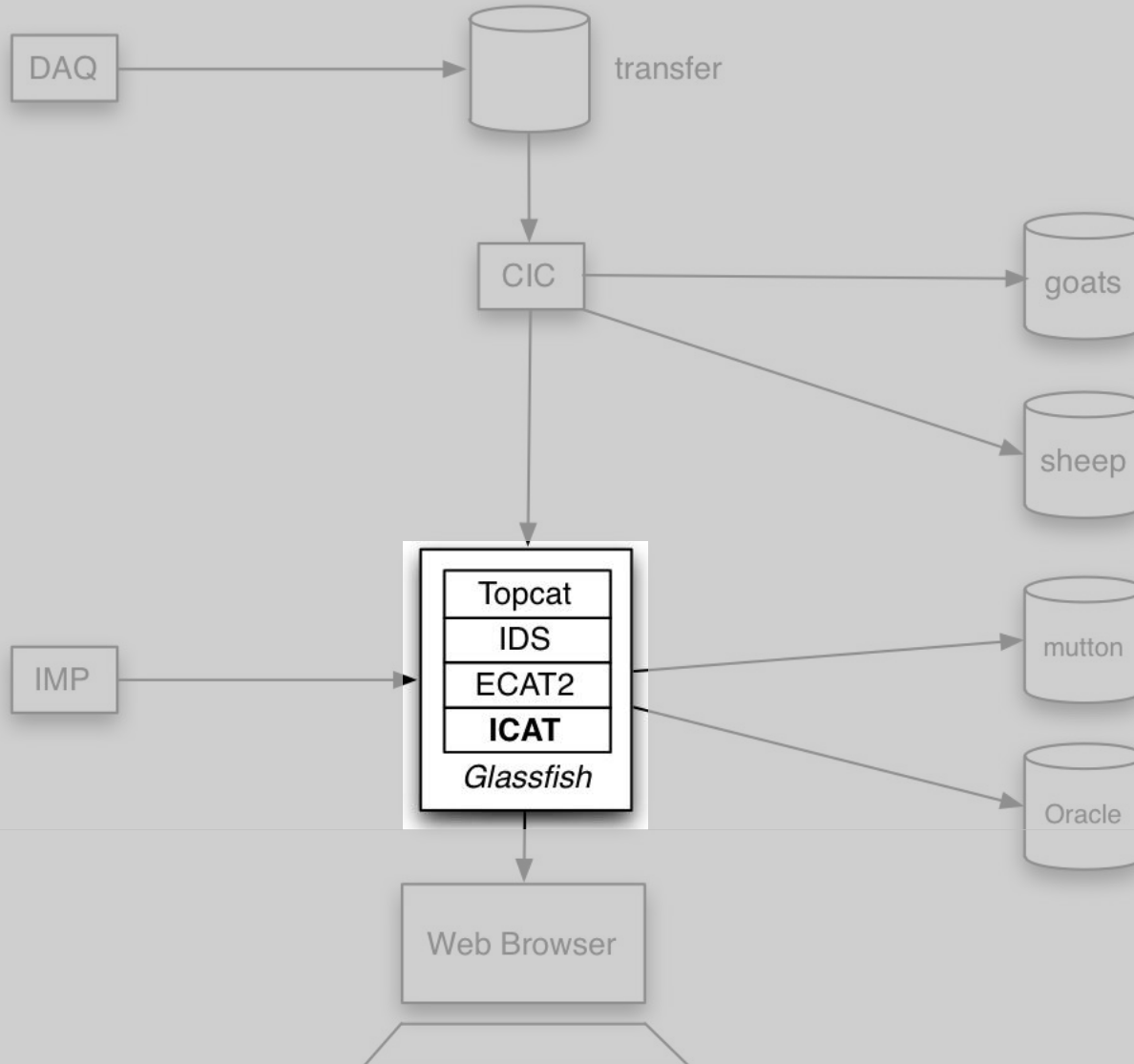
The image shows a screenshot of a web browser window displaying a control panel for 'sig-01 - ICAT/CIC deployments'. The browser's address bar shows the URL 'http://sig-01.esc.rl.ac.uk/COP/'. The control panel on the left has a 'Static Configuration' section with the following items: ICAT Config, Configuration, Filesystem, Database, IMP files, Status files, System usage, Links, Glassfish, ECAT2, ICAT software, API, and ICAT Instances. The main content area displays a system architecture diagram.

The diagram illustrates the data flow in the COP system:

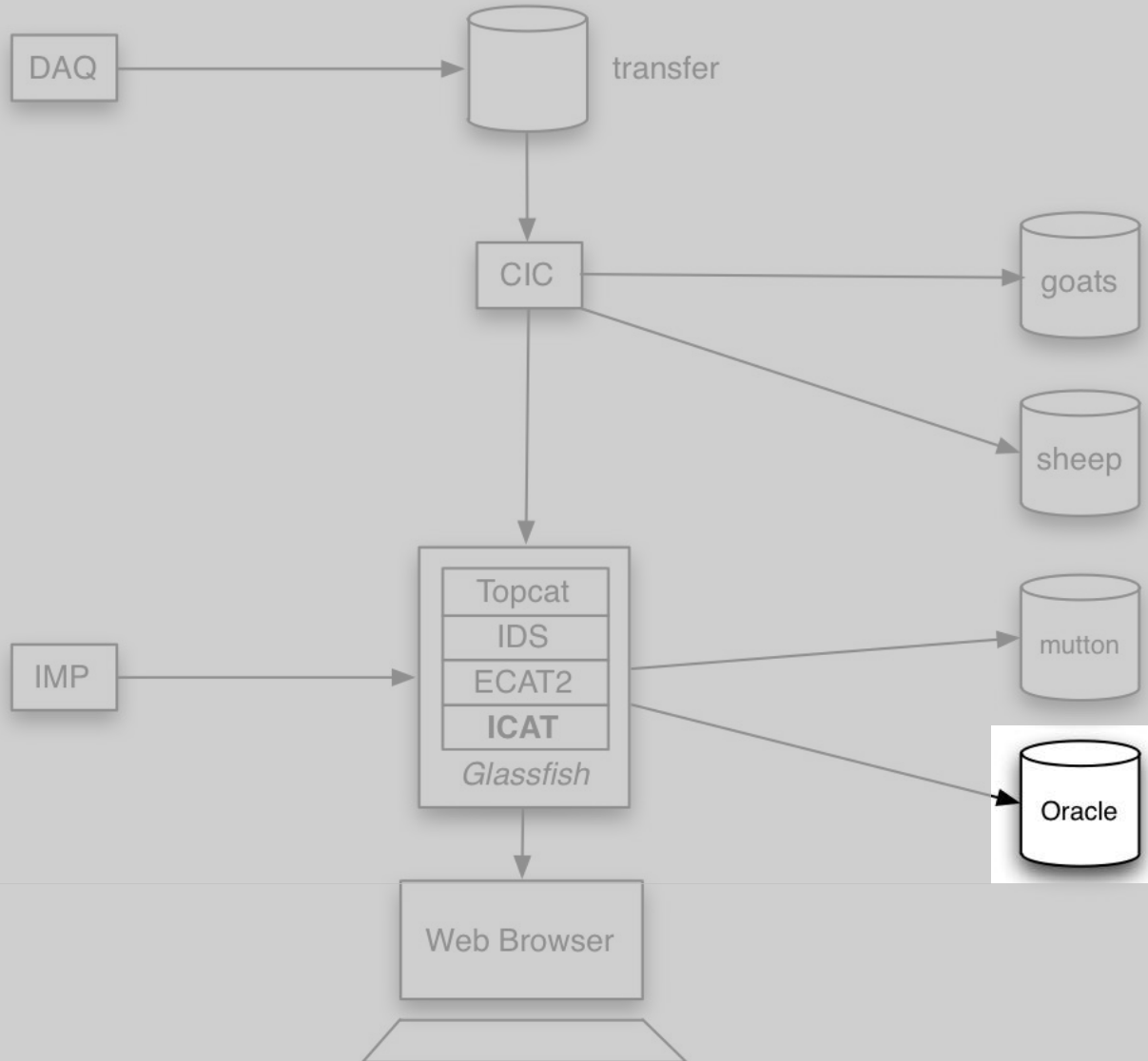
- DAQ** (Data Acquisition) feeds into a **transfer** database.
- The **transfer** database feeds into the **CIC** (Control Interface Component).
- The **CIC** feeds into a central processing stack containing **Topcat**, **IDS**, **ECAT2**, **ICAT**, and **Glassfish**.
- The **IMP** (Input Module) also feeds into this central stack.
- The central stack feeds into a **Web Browser**.
- The **CIC** also feeds into three separate databases: **goats**, **sheep**, and **mutton**.
- The central stack also feeds into the **Oracle** database.

At the bottom left of the browser window, there is a 'Colors' label and a blue box containing the text 'sig-01'.

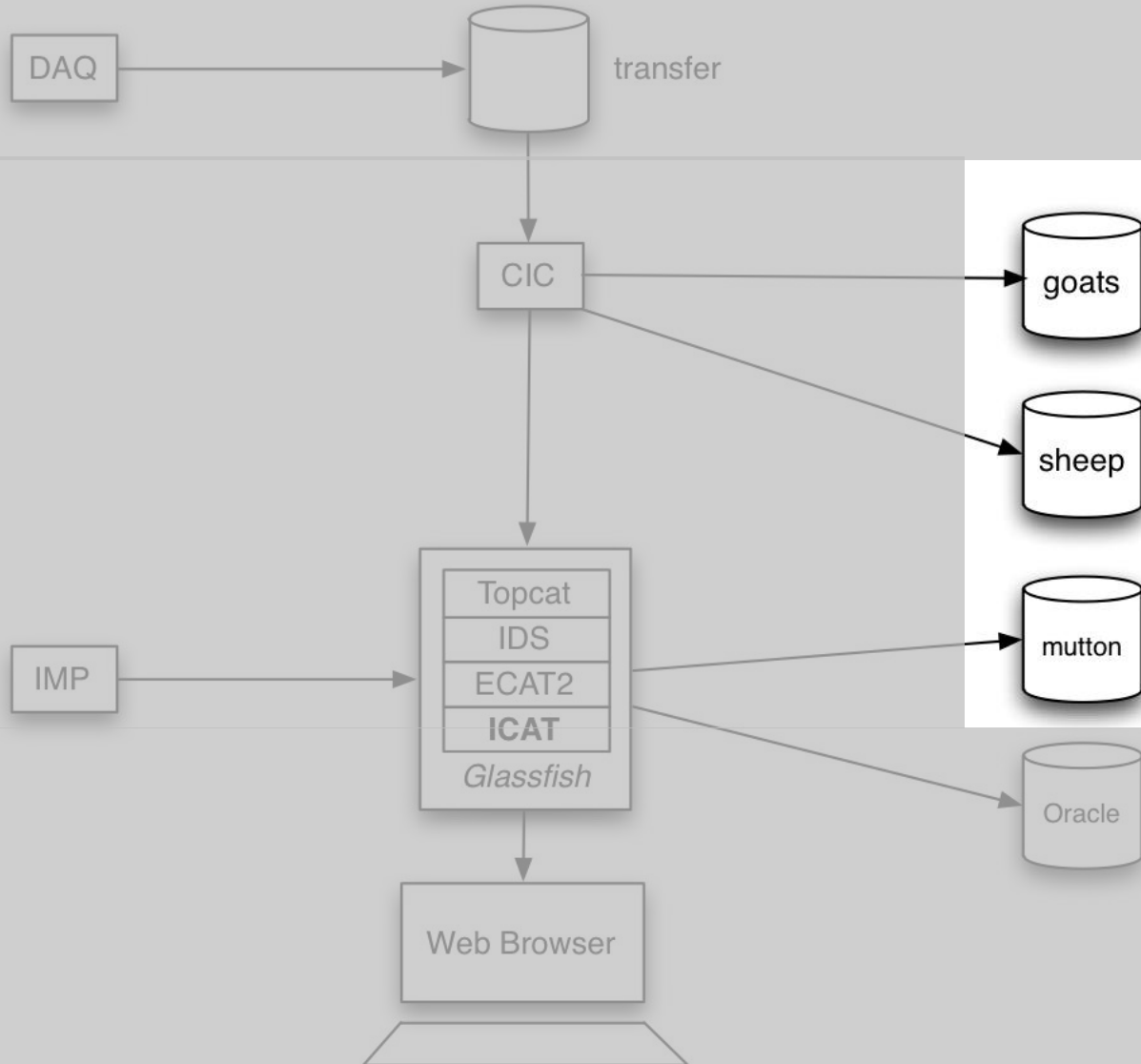
# Glassfish



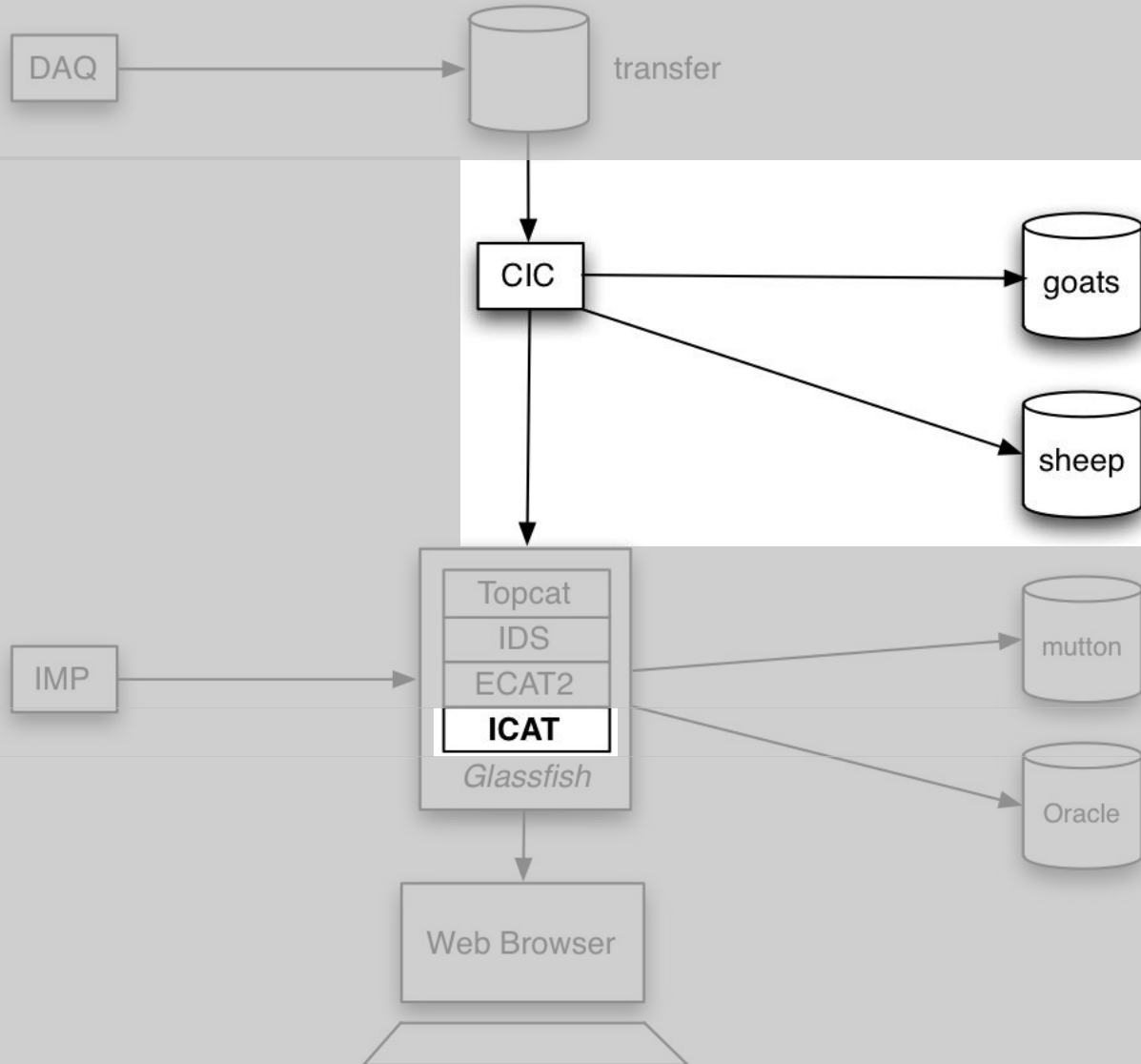
# Database



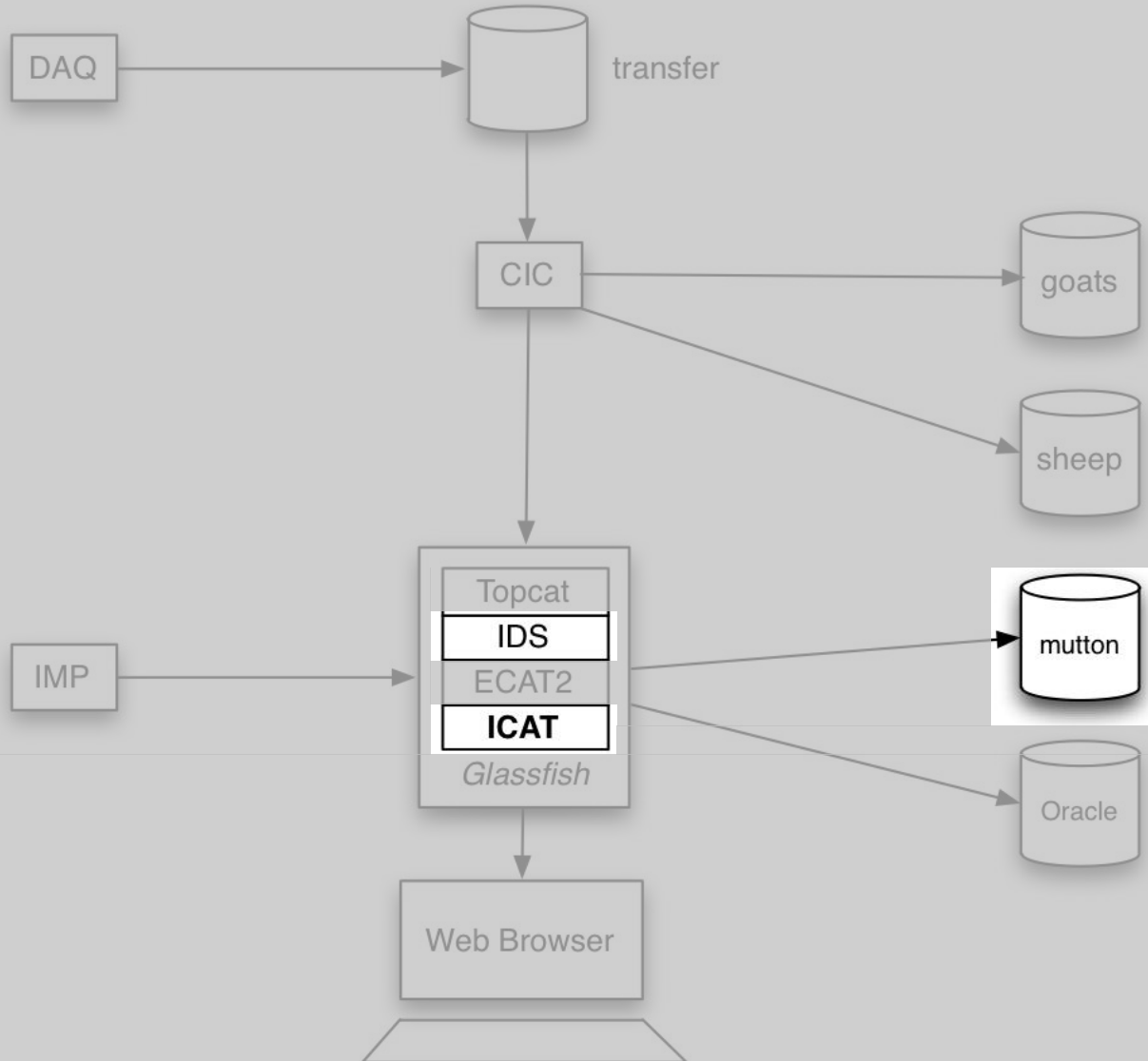
# Filesystem



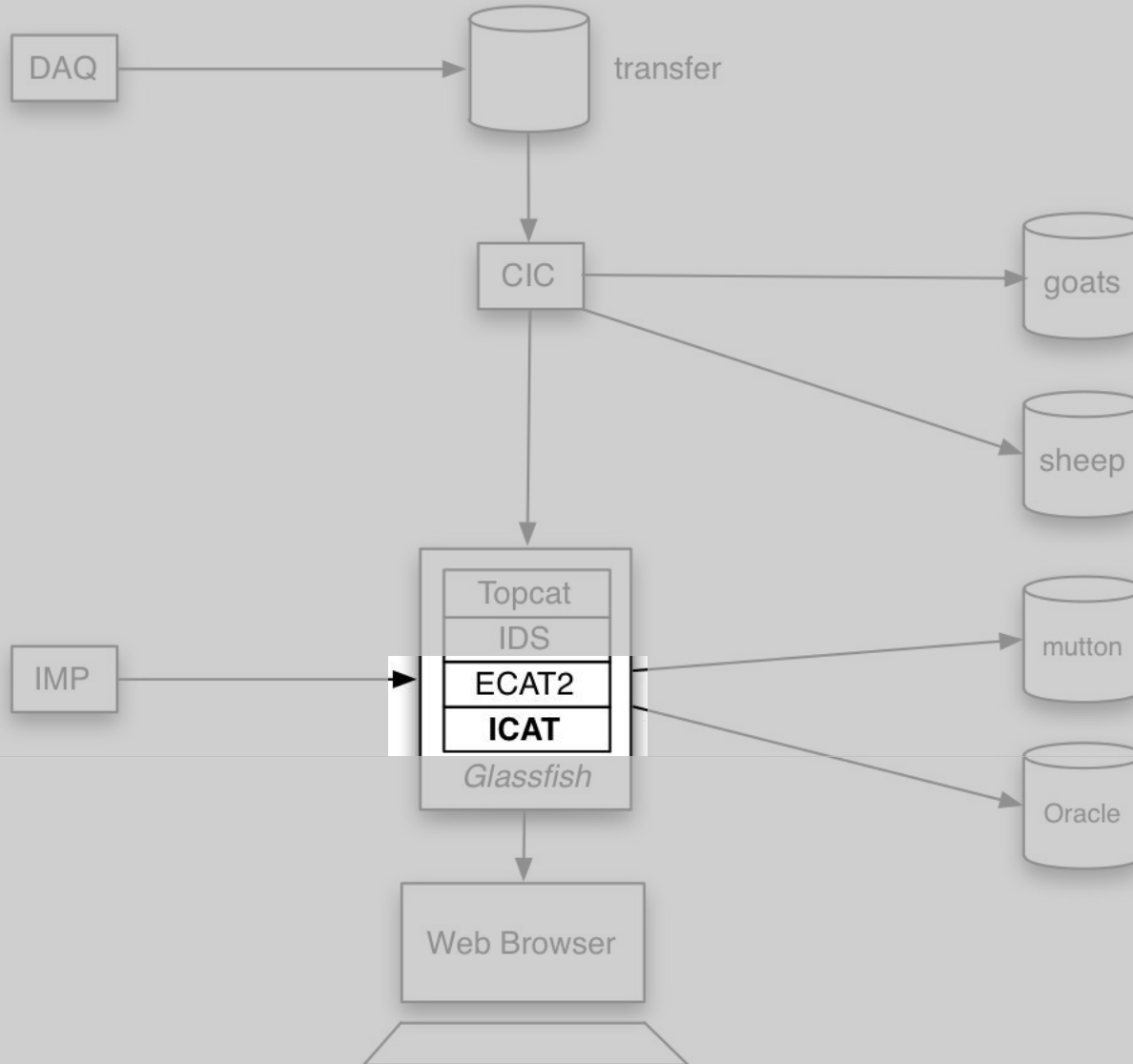
# CIC + ICAT + sheep, goats



# ICAT + IDS + mutton



# ECAT2 + ICAT





# TopCat + ICAT

