RegTAP at ESAVO

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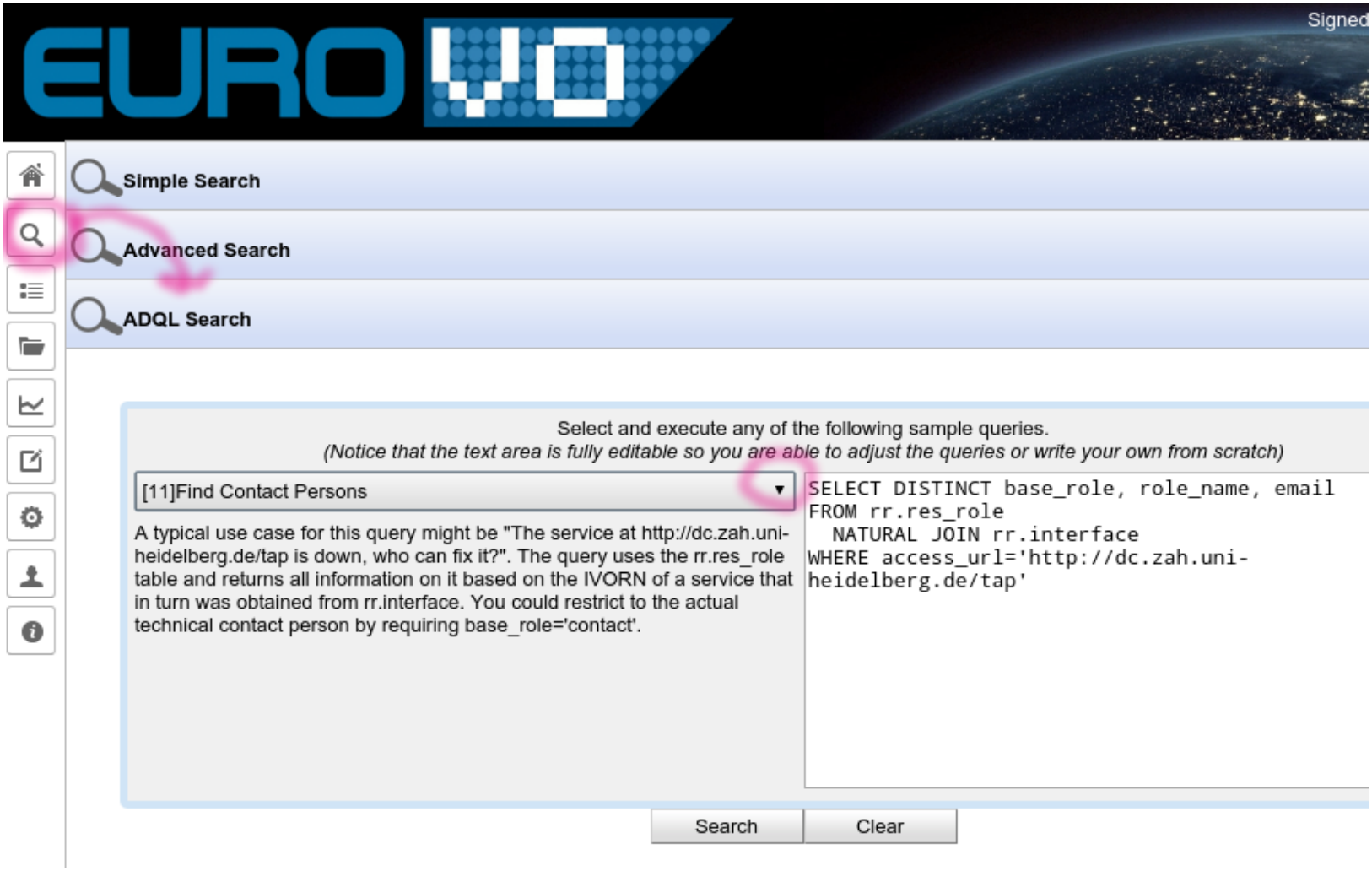
RegTAP

- a standardized relational view (subset) of an IVOA resource
- a way to execute ADQL queries on that relational view over HTTP POST
- recommendation

  http://www.ivoa.net/documents/RegTAP/20141030/PR-RegTAP-1.0-20141030.html

http://registry.euro-vo.org/



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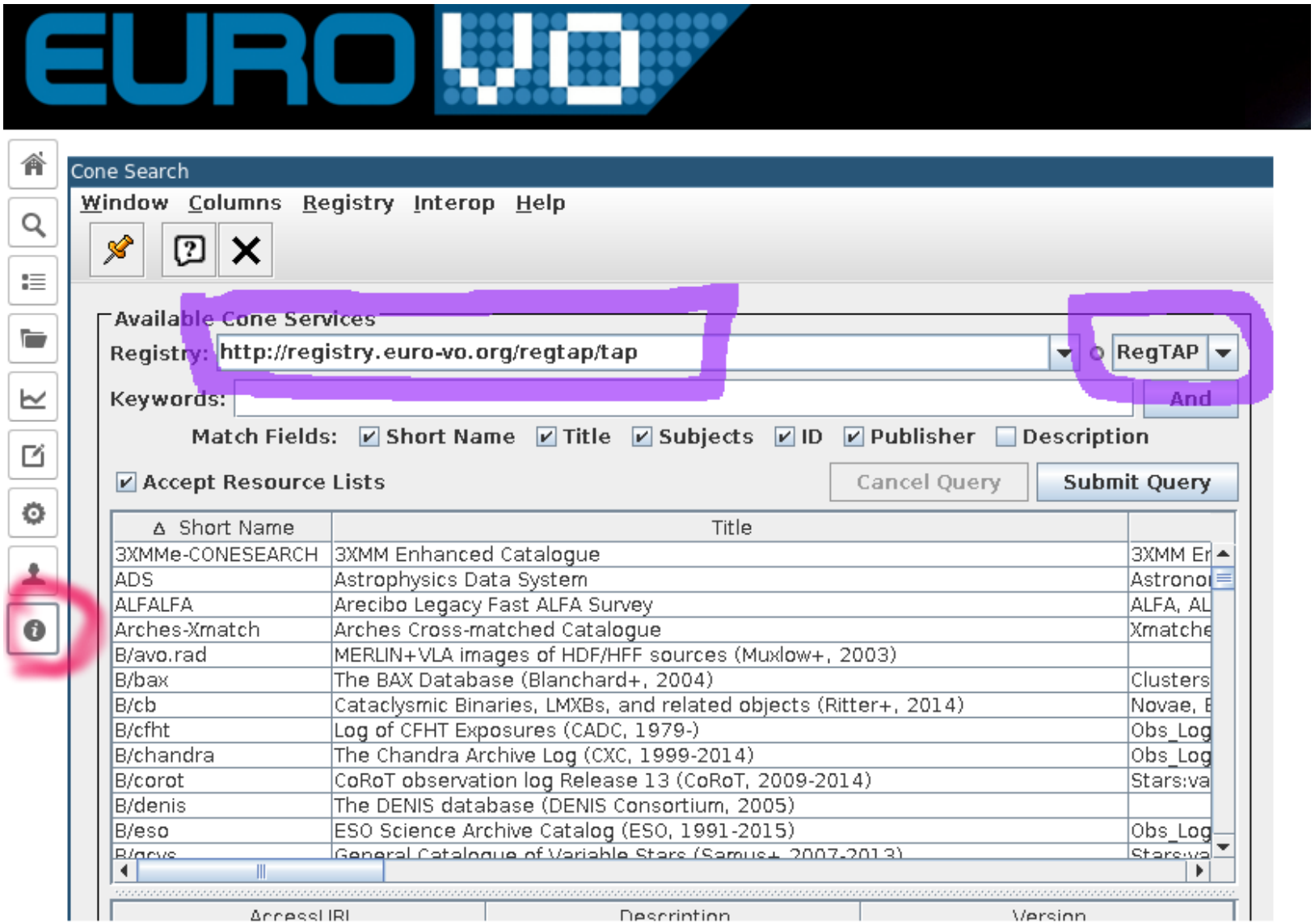
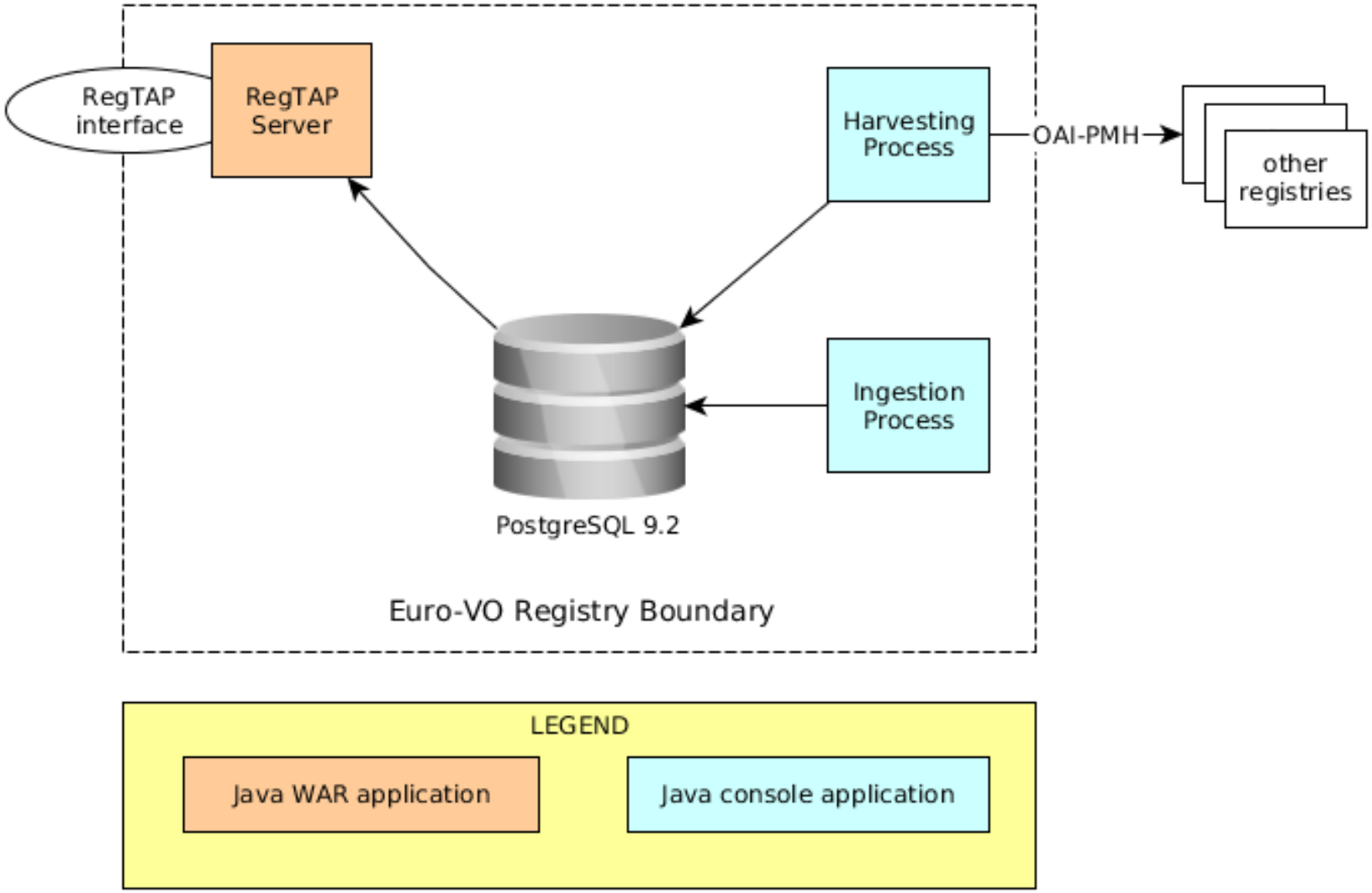
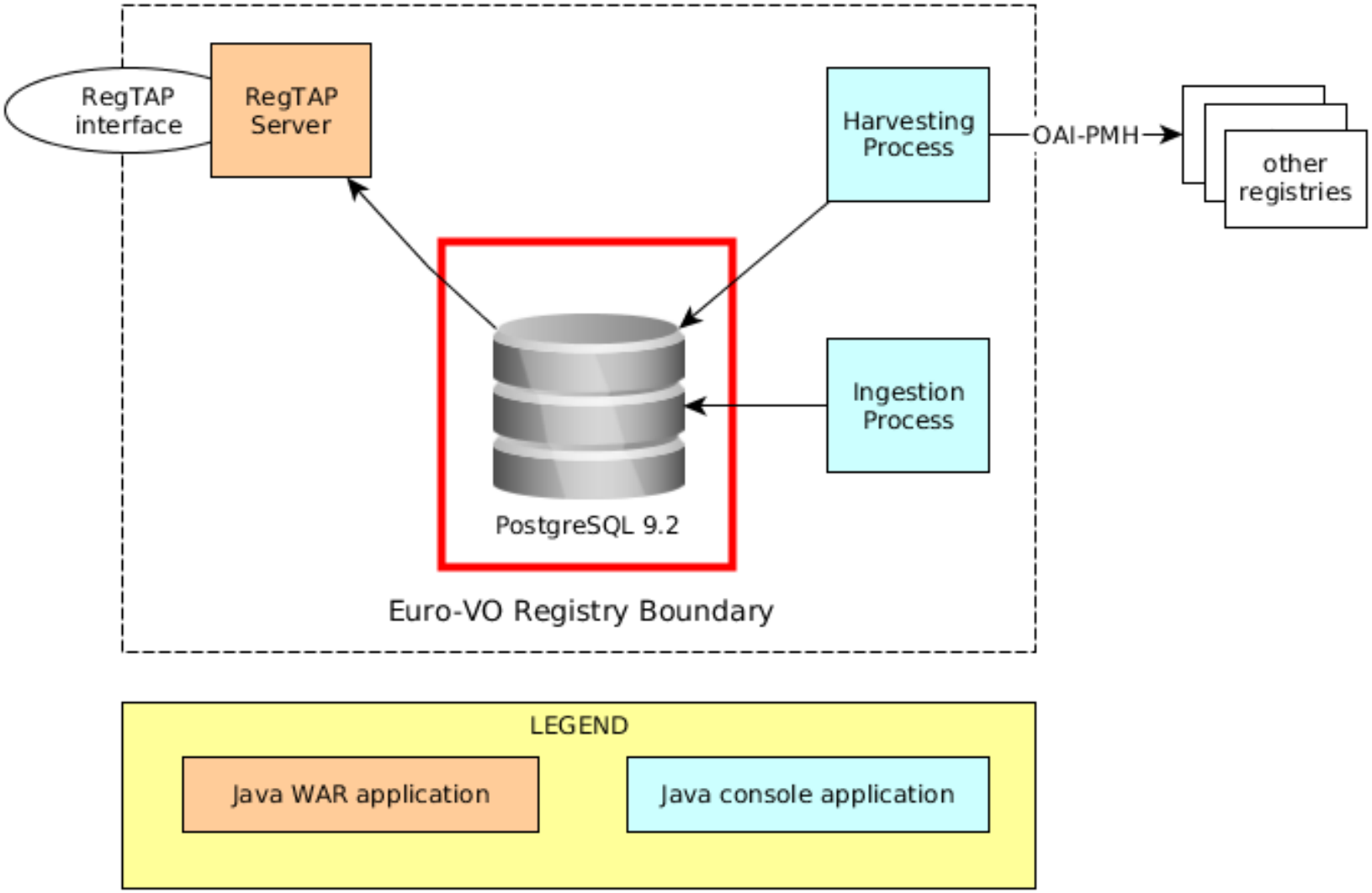


A bare-bones RegTAP interface allowing you to post queries is also found at: http://registry.euro-vo.org/regtap/tapHome.html

RegTAP implementation at EuroVO



RegTAP database schema



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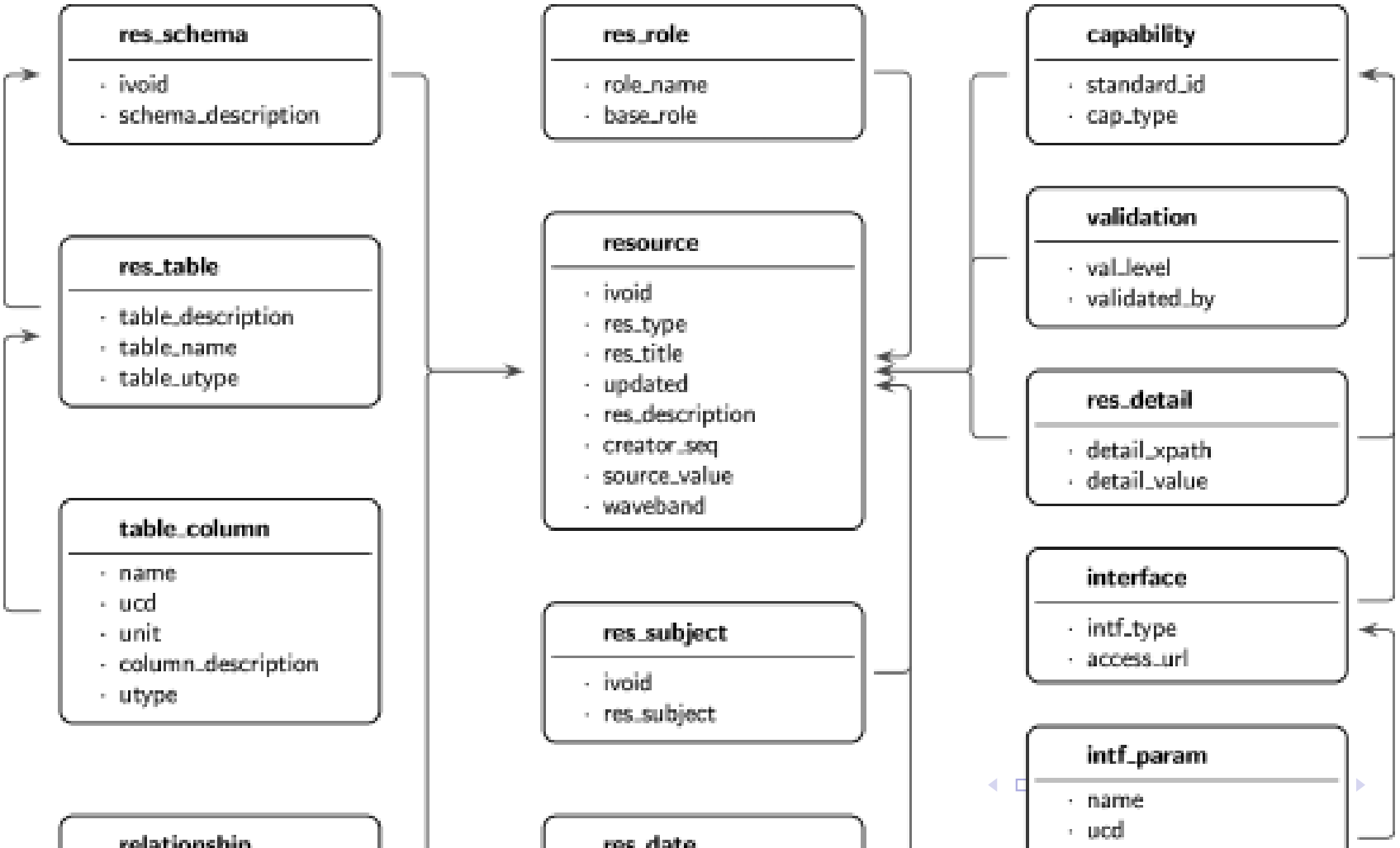

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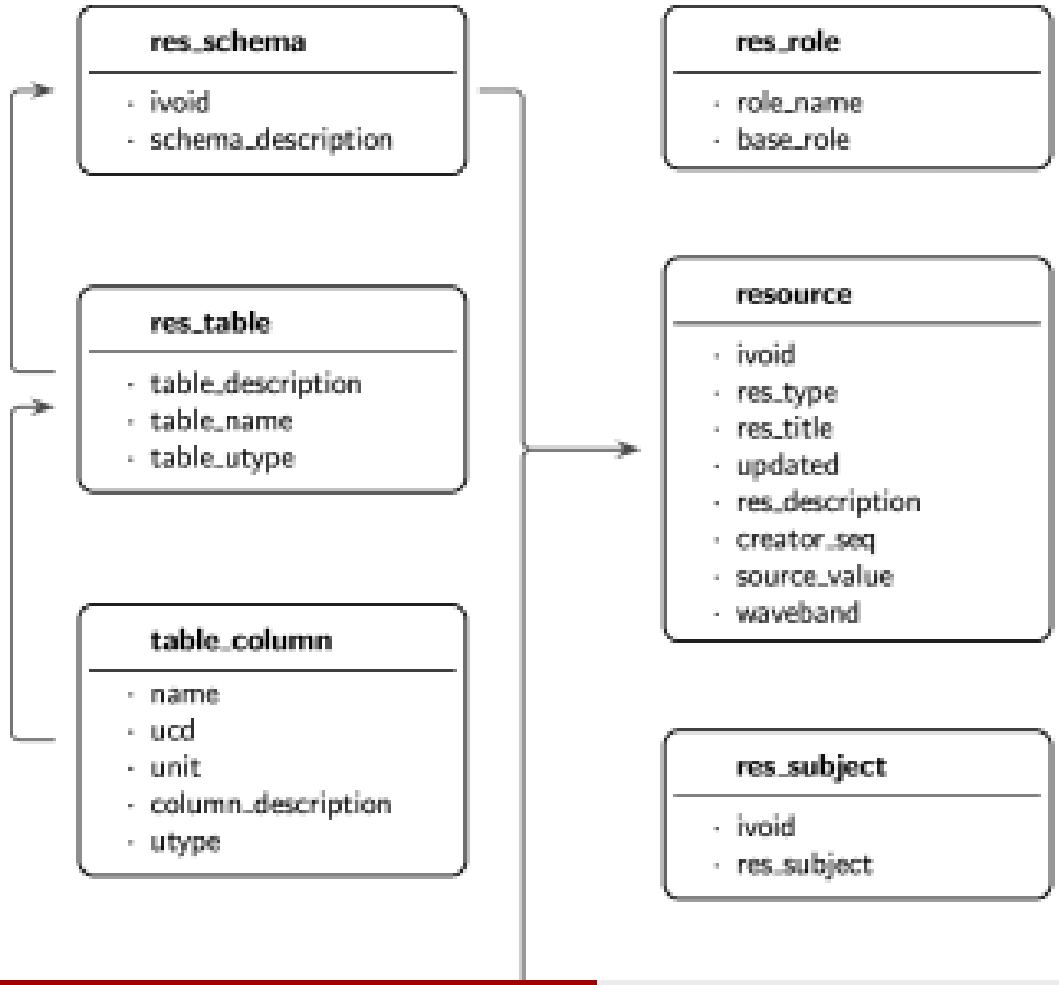


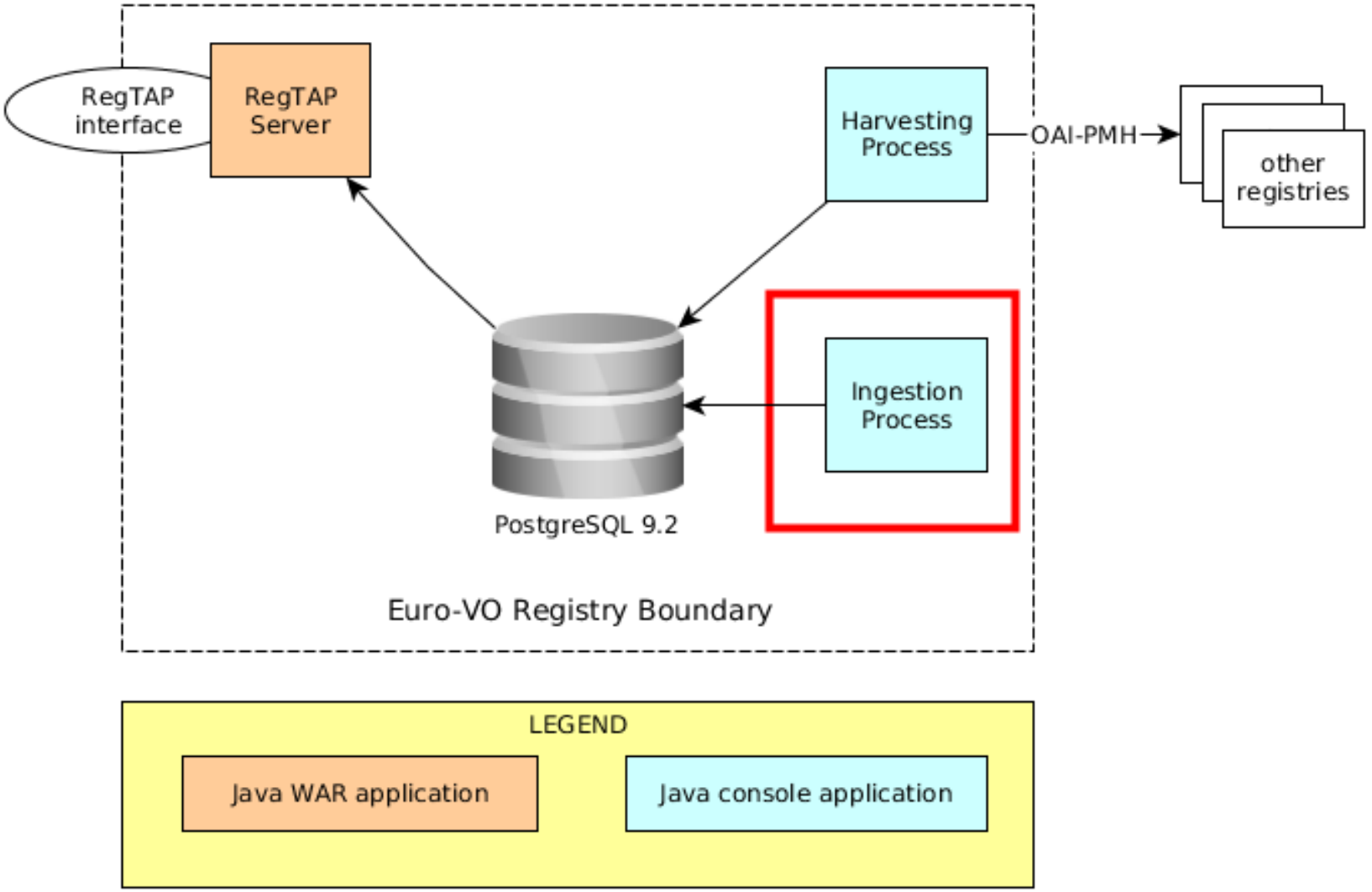

```
CREATE TABLE IF NOT EXISTS resource (
  ivoid                 vo_common.ivoid
  res_type              TEXT
  created               TIMESTAMP(1) WITH
  short_name            TEXT
  res_title             TEXT
  updated               TIMESTAMP(0) WITH
  content_level         TEXT
  res_description       TEXT
  reference_url         vo_common.url
  creator_seq           TEXT
  content_type          TEXT
  source_format         TEXT
  source_value          TEXT
  res_version           TEXT
  region_of_regard      FLOAT
  waveband              TEXT
  rights                TEXT          NULL
);

ALTER TABLE resource ADD PRIMARY KEY (ivoid)

CREATE TABLE IF NOT EXISTS res_detail (
  ivoid         vo_common.ivoid  NOT NULL,
  cap_index     SMALLINT             NULL,
  detail_xpath  TEXT             NOT NULL,
  detail_value  TEXT                 NULL
);

ALTER TABLE rr.res_detail ADD CONSTRAINT res
FOREIGN KEY (ivoid) REFERENCES resource (ivo
ON DELETE NO ACTION ON UPDATE NO ACTION ;
```

Ingestion


RegTAP interface
RegTAP Server
Harvesting Process
OAI-PMH
other registries
Ingestion Process
PostgreSQL 9.2
Euro-VO Registry Boundary
LEGEND
Java WAR application
Java console application

8.4 The capability Table

The capability table describes a resource's modes of interaction; it only contains the members of the base `res_detail` table (see 8.13).

The table has a `cap_index` to disambiguate multiple capabilities on a single resource. See section 3 for de

Column names, utypes, ADQL types, and descriptions for the `rr.capability` table

ivoid `xpath:/identifier`	VARCHAR(*)	The parent resource.
cap_index	SMALLINT(1)	An arbitrary identifier of this capability within the resource.
cap_type `xpath:@xsi:type`	VARCHAR(*)	The type of capability covered here.
cap_description `xpath:description`	VARCHAR(*)	A human-readable description of what this capability provides as part
standard_id `xpath:@standardID`	VARCHAR(*)	A URI for a standard this capability conforms to.

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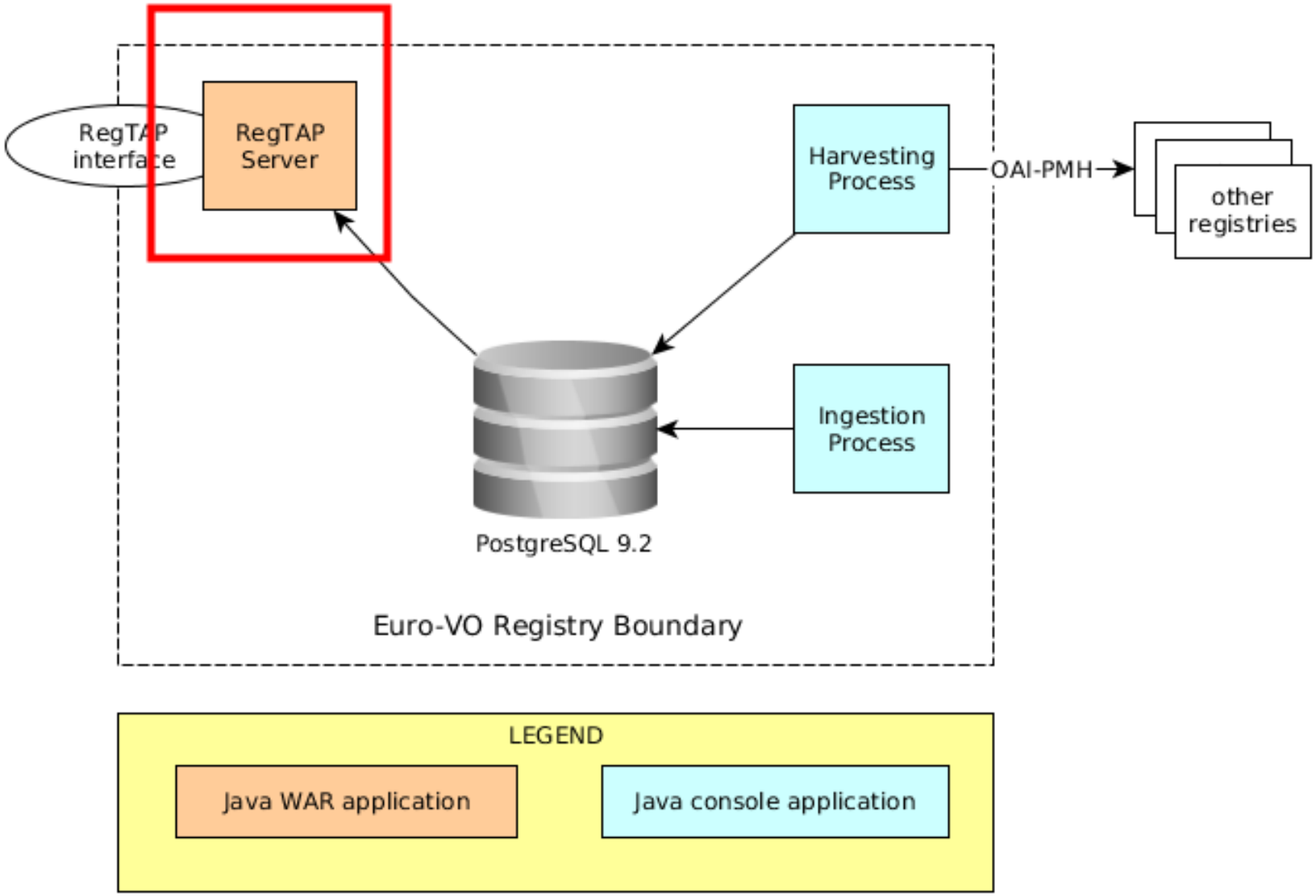
cap_index	SMALLINT(1) An arbitrary identifier of this capability within the resource.
cap_type `xpath:@xsi:type`	VARCH
cap_description `xpath:description`	VARCH
standard_id `xpath:@standardID`	VARCH

```
1   capability | ivoid cap_index
2   ---------------------------------------------------------------
3   /*/capability
4   ivoid           /*/identifier      lowercase
5   cap_index       count(preceding-sibling::capability)
6   cap_type        @xsi:type         lowercase||prfx-trnslt
7   cap_description description
8   standard_id     @standardID       lowercase
9   ---------------------------------------------------------------
10  ivoid -> resource | ivoid
```

TAP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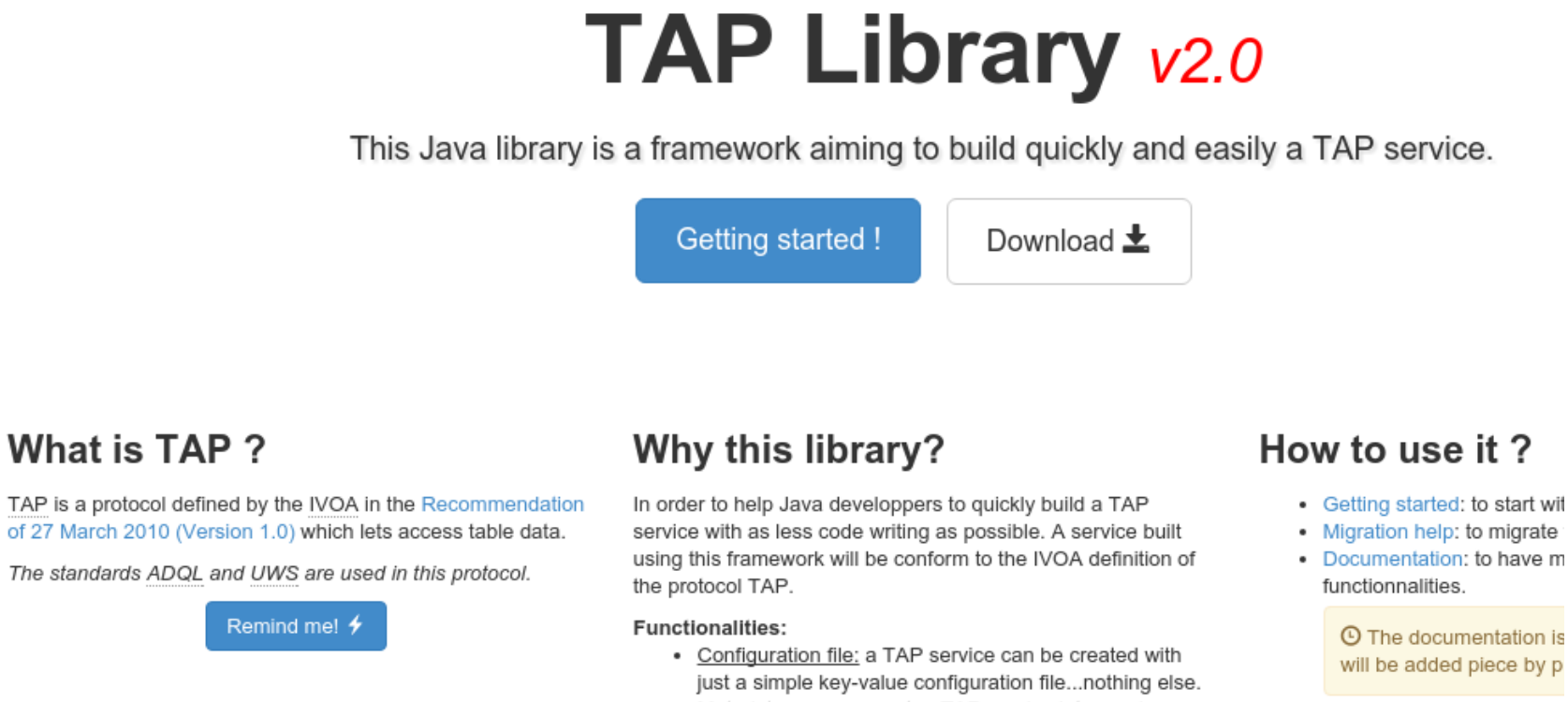
TAP

http://cdsportal.u-strasbg.fr/taptuto/



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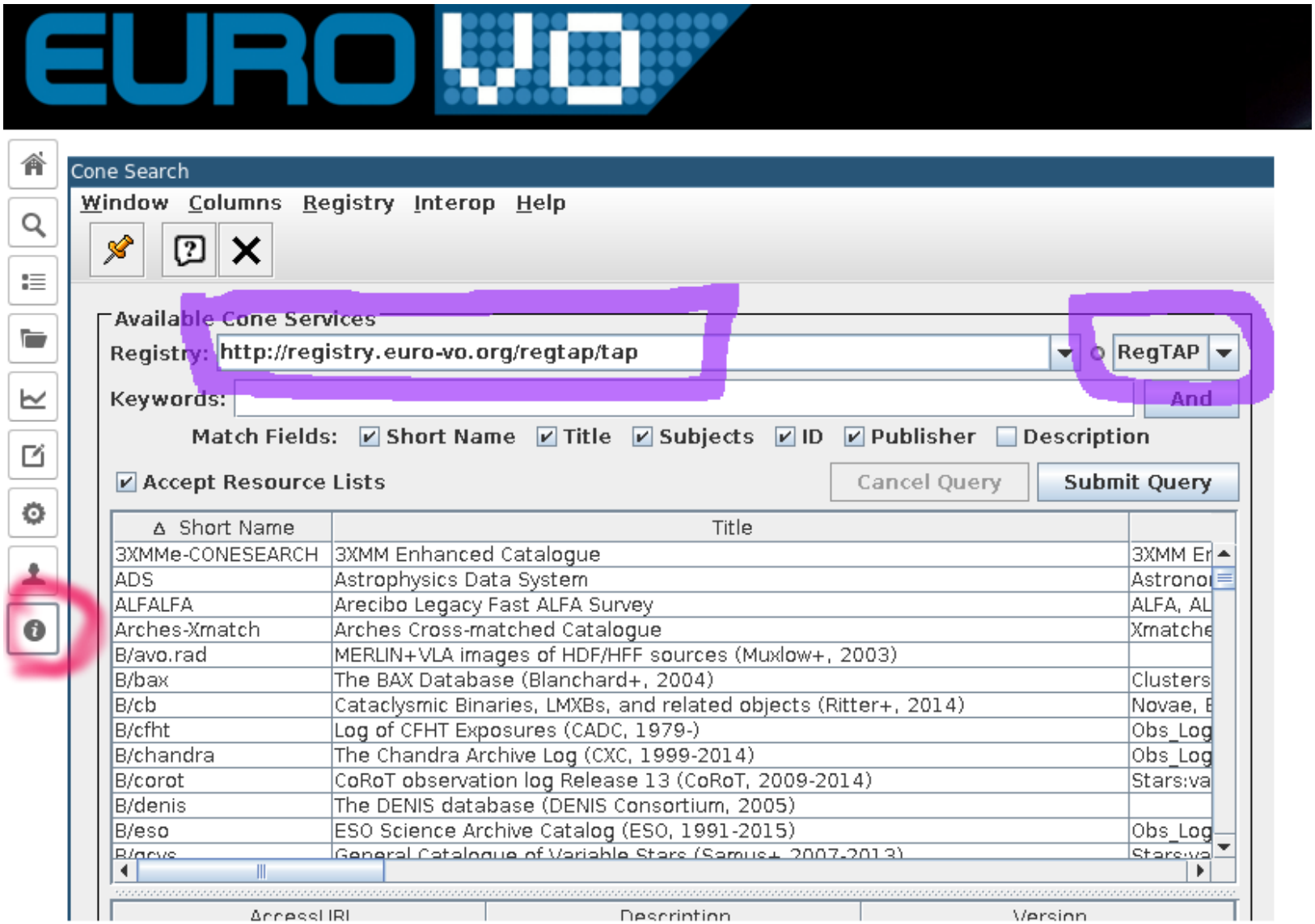

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The End.