

SQL Queries - CAST Knowledge Base - Queries on Module - Module content and properties

*Purpose

This query will list objects constituting the modules based on the properties - [SQL Queries - CAST Knowledge Base - Queries on objects - How to check if objects are internal or external or generated from the application](#)

If the property of the object returned by the query is external then this is due to a tool after module generation, otherwise the object would not be part of the module scope in the first place.

Applicable CAST Version

Release	Yes/No
8.3.x	✓

Applicable RDBMS

RDBMS	Yes/No
Oracle Server	✓
Microsoft SQL Server	?
CSS	✓

Query for CSS, Oracle, SQL Server

For CAST 8.3.36 and below:

```
SELECT DISTINCT coa.object_id,  
k.KeyNam,  
CASE coa.properties  
WHEN 0 THEN 'Internal'  
WHEN 1 THEN 'External'  
WHEN 2 THEN 'Generated'  
ELSE 'UNKNOWN'  
END  
FROM Keys k  
JOIN SETROOT sr ON sr.IDSET = k.IdKey  
JOIN CTT_OBJECT_APPLICATIONS coa ON coa.APPLICATION_ID = sr.IDROOT  
WHERE k.KeyNam NOT LIKE '___% union content___'  
AND k.KeyNam NOT LIKE '% IFPUG objects'  
AND k.KeyNam NOT LIKE '___% full content___'  
AND k.ObjTyp = 20000  
order by 2, 3;
```

For CAST 8.3.37 and above:

```
SELECT DISTINCT coa.object_id,  
k.KeyNam,  
CASE  
WHEN coa.properties & 0 THEN 'Internal'  
WHEN coa.properties & 1 THEN 'External'  
WHEN coa.properties & 2 THEN 'Generated'  
ELSE 'UNKNOWN'  
END  
FROM Keys k  
JOIN SETROOT sr ON sr.IDSET = k.IdKey  
JOIN CTT_OBJECT_APPLICATIONS coa ON coa.APPLICATION_ID = sr.IDROOT  
WHERE k.KeyNam NOT LIKE '___% union content___'  
AND k.KeyNam NOT LIKE '% IFPUG objects'  
AND k.KeyNam NOT LIKE '___% full content___'  
AND k.ObjTyp = 20000  
order by 2, 3;
```

Query result example

```
7250;"My module";"External"  
7253;"My module";"Generated"  
7255;"My module";"External"
```

Query result interpretation

The query return the object id, the module name and the object property