

Hint 1

As almost traditional with our puzzlers, the recommended way to solve it is by using TAP and ADQL. A very nice interactive client to play with these is TOPCAT.



Hint 2

We are talking about constellations here; it makes sense to look for "constellations" then in the VO Registry (TOPCAT makes it easy to do that: Just type that word into the *Keywords* box on the "Select Service" tab in its TAP window). This should point you to a table in our data centre.



Hint 3

To make an ADQL point from a pair of RA and Dec, use POINT(ra, dec).



Hint 4

To see whether a point is within a polygon in ADQL, write WHERE 1=CONTAINS(point, polygon).