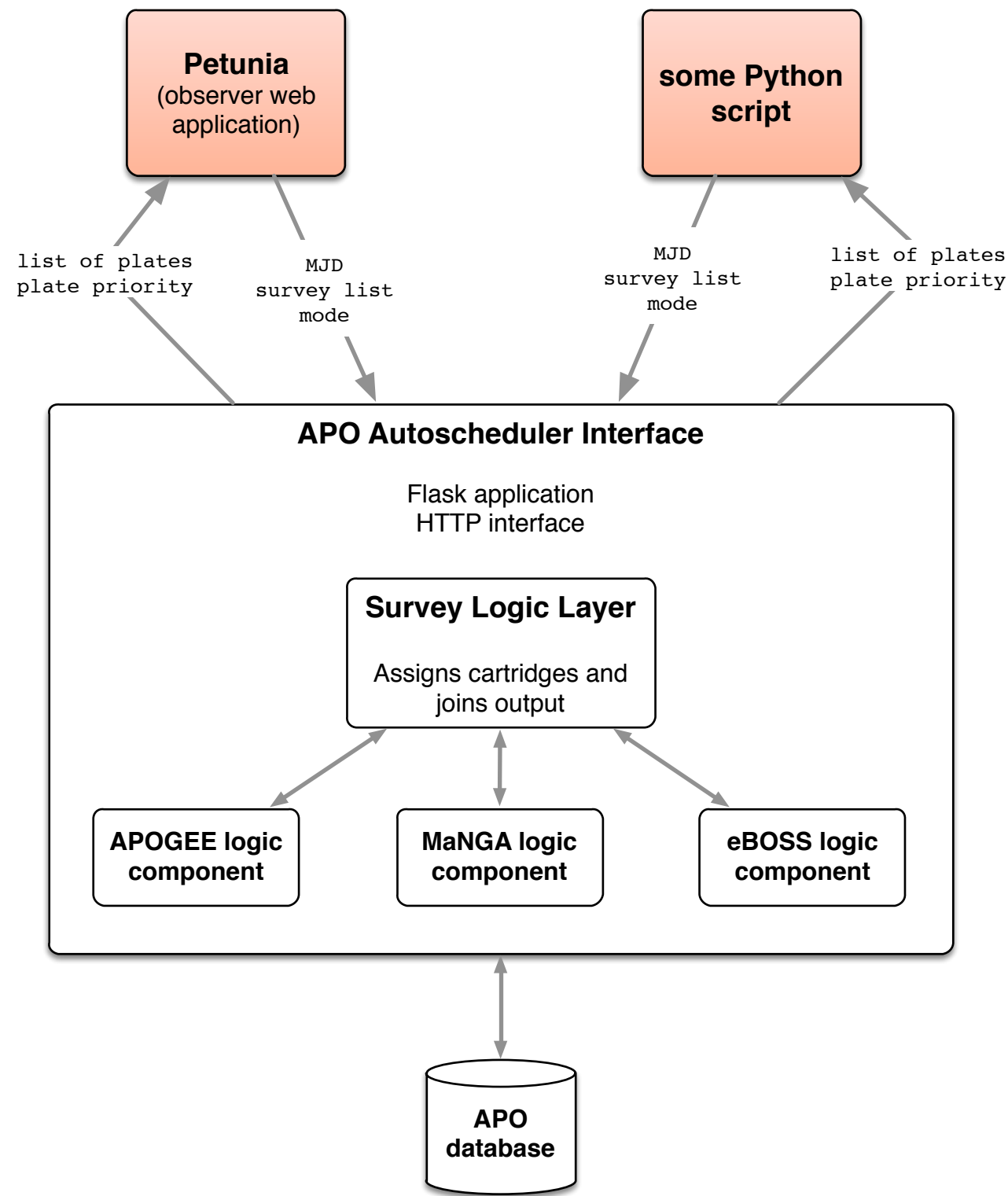


SDSS-IV Autoscheduler



Autoscheduler API

All input & output is in JSON.

Request

- 'mjd' — MJD to be scheduled. Default = current MJD
- 'surveys' — list of surveys to be scheduled. Default = ['apogee', 'manga', 'eboss']
- 'mode' — "plugging" or "observing"

Response

Returns:

- 'schedule' — switch time information
 - 'mjd' — scheduled MJD
 - 'apg_start' — in decimal days, if APOGEE-II is tonight
 - 'apg_end'
 - 'man_start' — in decimal days, if MaNGA is tonight
 - 'man_end'
 - 'ebo_start' — in decimal days, if eBOSS is tonight
 - 'ebo_end'
- 'apogee' — list of chosen plate info for APOGEE-II:
 - 'plate' — plate_pk for chosen plate
 - 'cart' — cartridge to be plugged
 - 'first_backup' — plate_pk for 1st backup plate
 - 'second_backup' — plate_pk for 2nd backup plate
 - 'obs_mjd' — observation start time in MJD
 - 'exposure_length' — exposure time in hours
- 'manga' — list of chosen plate info for MaNGA:
 - TBD
- 'eboss' — list of chosen plate info for eBOSS:
 - 'plate' — plate_pk for chosen plate
 - 'cart' — cartridge to be plugged