

# Firmware lookup order

Different functionality is available to enable firmware to be found. Below is chronological order of how firmware will be looked for once a driver issues a firmware API call.

- The "Built-in firmware" is checked first, if the firmware is present we return it immediately
- The "Firmware cache" is looked at next. If the firmware is found we return it immediately
- The "Direct filesystem lookup" is performed next, if found we return it immediately
- The "Platform firmware fallback" is performed next, but only when `firmware_request_platform()` is used, if found we return it immediately
- If no firmware has been found and the fallback mechanism was enabled the sysfs interface is created. After this either a kobject uevent is issued or the custom firmware loading is relied upon for firmware loading up to the timeout value.