



- [illegible]

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Important structs
typedef struct ga_module_s {
    HMModule handle; /* Handle to a module */
    int type; /* Type of the module */
    char *name; /* Name of the module */
    char *minimtype; /* NME-type of the module */
    int (*init)(void *arg); /* Pointer to the init function */
    int (*start)(void *arg); /* Pointer to the start function */
    /*void * (*threadproc)(void *arg); /* Pointer to the notify function */
    int (*stop)(void *arg); /* Pointer to the stop function */
    int (*deinit)(void *arg); /* Pointer to the deinit function */
    int (*ioctl)(int command, int argsize, void *arg); /* Pointer to ioctl function */
    int (*write)(void *arg); /* Pointer to the write function */
    void * (*raw)(void *arg, int *size); /* Pointer to the raw function */
    int (*send_packet)(const char *prefix, int channelid, AVPacket *pkt, int_tsd_encoderpts,
        struct timeval *ptv); /* Pointer to the send packet function: sink only */
    void * privdata; /* Private data of this module */
} ga_module_t;

typedef struct dpipe_s {
    int channel_id; /* Channel id for the dpipe */
    char *name; /* Name of the dpipe */
    pthread_mutex_t cond_mutex; /* pthread mutex for conditional signaling */
    pthread_cond_t *cond; /* pthread condition */
    pthread_mutex_t io_mutex; /* pthread i/o pool operation mutex */
    dpipe_buffer_t *in; /* input pool: pointer to the first frame buffer in
        input pool (free frames) */
    dpipe_buffer_t *out; /* output pool: pointer to the first frame buffer in
        output pool (occupied frames) */
    dpipe_buffer_t *out_tail; /* output pool: pointer to the last frame buffer in
        output pool (occupied frames) */
    int in_count; /* number of unused frame buffers */
    int out_count; /* number of occupied frames */
} dpipe_t;

typedef struct encoder_packet_s {
    char *data; /* Pointer to the data buffer */
    unsigned size; /* Size of the buffer */
    int64_t pts_int64; /* Packet timestamp in a 64-bit integer */
    struct timeval pts_tv; /* Packet timestamp in a timeval structure */
    // Internal data structure - do not touch
    int padding; /* Padding area: internal used */
    unsigned char commandid; /* prsc commandid
} encoder_packet_t;

```

