#### RobotProcess

### protected:

- NodeHandlePtr: node handle
- 🥟 NodeHandlePtr: node\_handle\_private\_

## public:

- RobotProcess(argc, argv, namespace = "", name = "")
- RobotProcess& init(autostart = false)
- void run(uint8\_t threads = 0)
- void runAsync(uint8\_t threads = 0)

## protected:

- void notifyError(error\_type, function, description)
- void registerIsolatedTimer(callback, frequency, stoppable = false)
- string getNamespace()

## private: (INTERFACE)

- virtual void onCreate() = 0;
- virtual void onTerminate() = 0;
- 🥟 virtual void onConfigure() = 0;
- 할 virtual void onUnconfigure() = 0;
- virtual void onUnconfigure() = 0;
- virtual void onStart() = 0;
- 📝 virtual void onStop() = 0;
- <page-header> virtual void onPause() = 0;
- virtual void onResume() = 0;

# SubscriptionManager

### public:



ManagedSubscription subscribe(Args&& ..args)

## ManagedRobotProcess

### protected:



SubscriptionManager sub\_manager\_;

# private: (INTERFACE)



virtual void onManagedCreate() = 0;



virtual void onManagedTerminate() = 0;

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virtual void onManagedConfigure() = 0;

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virtual void onManagedUnconfigure() = 0;

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virtual void onManagedUnconfigure() = 0;

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virtual void onManagedStart() = 0;

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virtual void onManagedStop() = 0;

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virtual void onPause() = 0;

virtual void onResume() = 0;



ConcreteManagedRobotProcess