## Configuration Agent - m\_filename: std::string - m\_control\_mutex: std::mutex - m\_xml: pugi::xml\_document - m\_config: Configuration - m\_agent\_name: std::string m\_sniffer: std::shared\_ptr<PacketSniffer> - m\_client\_comm: ClientComm - m\_agent\_filter: std::string - SPAWN\_COMM\_SERVER\_WAIT: static const int - m\_monitored\_processes: std::vector<std::string> - MESSAGE WAIT: static const int - m\_collectors: std::vector<Collector> - m\_sniff\_interval: unsigned int - cmd\_ping(): bool - m\_sniff\_snaplen: unsigned int - cmd\_start(): bool - m\_sniff\_promisc: bool - cmd\_stop(): bool - m\_send\_size: size\_t - cmd\_proc(const nlohmann::json&): bool - m\_send\_interval: unsigned int - cmd\_filter(const nlohmann::json&): bool + createConfiguration(const std::string&): bool + parse(const std::string&): bool + spawnSniffer(): bool + addMonitoredProcess(const std::string&): bool + run(): void + removeMonitoredProcess(const std::string&): bool + spawnCommServer(uint16\_t): void + saveConfig(): bool + setAgentFilter(const std::string&): void + getAgentName(): const std::string& + getAgentFilter(): const std::string& ClientComm + getMonitoredProcesses(): const std::vector<std::string>& - m\_control\_mutex: std::mutex& + getCollectors(): const std::vector<Collector>& - m\_config: Configuration& + getSniffInterval(): unsigned int - m\_listener\_thread: boost::thread + getSniffSnaplen(): unsigned int - m\_listener\_ready: bool + getSniffPromiscMode(): bool - m\_io\_service: std::shared\_ptr<io\_service> + getSendSize(): size\_t - m\_client: std::shared\_ptr<socket> + getSendInterval(): unsigned int - m\_client\_msg: std::shared\_ptr<std::string> - MAX\_BUFFER\_SIZE: static const size\_t - CONNECTION\_TIMEOUT: static const unsigned int Collector + ClientComm(Configuration&, std::mutex&) - m\_ip\_str: std::string + waitForClient(uint16\_t): void - m\_port\_str: std::string + connect(address&, uint16\_t): bool + Collector(const std::string&, const std::string&) + isListenerReady(): bool + send(const ClientComm&, const std::string&, size\_t&): bool + ack(): void + getlp(): const std::string& + sendMsg(const std::string&): bool + getMsg(): const std::shared\_ptr<std::string>& **PacketSniffer** + getIoService(): std::shared\_ptr<io\_service> + PacketSniffer(const Configuration&, const ClientComm&, std::mutex&) + init(): bool **ProcessDiscovery** + start(): bool - getProcessPidByName(const std::string&): pid\_t + stop(): void + isProcessRunning(const std::string&): bool

+ setFilter(const std::string&, std::string&): bool

+ getFilter(): const std::string&