

github.com/vortex14/gotypphoon

vortex

Package github.com/vortex14/gotypphoon

Imports

```

import (
    "bufio"
    "bytes"
    "context"
    "fmt"
    "io"
    "log"
    "math"
    "os"
    "regexp"
    "runtime"
    "strconv"
    "strings"
    "sync"
    "syscall"
    "time"
    "crypto/md5"
    "encoding/hex"
    "github.com/fatih/color"
    "github.com/fsnotify/fsnotify"
    "github.com/gdamore/tcell/v2"
    "github.com/go-cmd/cmd"
    "github.com/go-git/go-git/v5"
    "github.com/go-logfmt/logfmt"
    "github.com/olekukonko/tablewriter"
    "github.com/rivo/tview"
    "github.com/vortex14/gotyphoon/environment"
    "github.com/vortex14/gotyphoon/extensions/data"
    "github.com/vortex14/gotyphoon/integrations/mongo"
    "github.com/vortex14/gotyphoon/integrations/redis"
    "github.com/vortex14/gotyphoon/interfaces"
    "github.com/vortex14/gotyphoon/interfaces/ghosts"
    TyLog "github.com/vortex14/gotyphoon/log"
    "github.com/vortex14/gotyphoon/migrates/v1.1"
    "github.com/vortex14/gotyphoon/services"
    "github.com/vortex14/gotyphoon/utils"
    "github.com/xanzy/go-gitlab"
    "go.mongodb.org/mongo-driver/bson"
    "gopkg.in/yaml.v2"
    "io/ioutil"
    "os/exec"
    "os/signal"
    "path/filepath"
    "runtime/pprof"
)

```

Interfaces

K8sCloud

```
type K8sCloud interface {  
}
```

Structs

AwsCloud

```
type AwsCloud struct {  
}
```

GoogleCloud

```
type GoogleCloud struct {  
}
```

AzureCloud

```
type AzureCloud struct {  
}
```

Cloud

```
type Cloud struct {  
}
```

Cluster

```
type Cluster struct {  
    Name      string  
    Config     string  
    Description string  
    Typhoon    interfaces.ClusterLabel  
    Meta       interfaces.ClusterMeta  
    Projects   []*interfaces.ClusterProject  
}
```

Name string

Config string

Description string

Typhoon interfaces.ClusterLabel

Meta interfaces.ClusterMeta

Projects []*interfaces.ClusterProject

Receivers

GetClusterConfigPath

```
func (c *Cluster) GetClusterConfigPath() string
```

Create

```
func (c *Cluster) Create()
```

ChangeClusterBranch

```
func (c *Cluster) ChangeClusterBranch()
```

SaveConfig

```
func (c *Cluster) SaveConfig()
```

LoadConfig

```
func (c *Cluster) LoadConfig(settings *environment.Settings) *Cluster
```

GetConfigName

```
func (c *Cluster) GetConfigName() string
```

GetProjects

```
func (c *Cluster) GetProjects() []*interfaces.ClusterProject
```

GetEnvSettings

```
func (c *Cluster) GetEnvSettings() *environment.Settings
```

GetName

```
func (c *Cluster) GetName() string
```

Show

```
func (c *Cluster) Show()
```

Deploy

```
func (c *Cluster) Deploy()
```

GetMeta

```
func (c *Cluster) GetMeta() *interfaces.ClusterMeta
```

Add

```
func (c *Cluster) Add()
```

Directory

```
type Directory struct {  
    Path    string  
}
```

Path string

Receivers

GetDataFromDirectory

```
func (d *Directory) GetDataFromDirectory(path string) interfaces.MapFileObjects
```

IsExistDir

```
func (d *Directory) IsExistDir(path string) bool
```

Worker

```
type Worker struct {  
    Command    string  
    Args       []string  
    Cmd        *cmd.Cmd  
    Status     chan bool  
}
```

Command string

Args []string

Cmd *cmd.Cmd

Status chan bool

Receivers

Run

```
func (w *Worker) Run(project interfaces.Project)
```

Component

```
type Component struct {  
    Path        string  
    Name        string  
    Active      bool  
    Worker      *Worker  
    Promise     sync.WaitGroup  
    Producers   interfaces.Producers  
    Pipelines   interfaces.Pipelines  
    Consumers   interfaces.Consumers  
    QueuesSettings interfaces.Queue  
}
```

Path string

Name string

Active bool

Worker *Worker

Promise sync.WaitGroup

Producers interfaces.Producers

Pipelines interfaces.Pipelines

Consumers interfaces.Consumers

QueuesSettings interfaces.Queue

Receivers

AddPromise

```
func (c *Component) AddPromise()
```

PromiseDone

```
func (c *Component) PromiseDone()
```

WaitPromises

```
func (c *Component) WaitPromises()
```

Start

```
func (c *Component) Start(project interfaces.Project)
```

Close

```
func (c *Component) Close(project interfaces.Project)
```

Stop

```
func (c *Component) Stop(project interfaces.Project)
```

Restart

```
func (c *Component) Restart(project *Project)
```

GetName

```
func (c *Component) GetName() string
```

CheckDirectory

```
func (c *Component) CheckDirectory(required []string, pathComponent string) bool
```

CheckComponent

```
func (c *Component) CheckComponent() bool
```

InitConsumers

```
func (c *Component) InitConsumers(project interfaces.Project)
```

InitProducers

```
func (c *Component) InitProducers()
```

StopConsumers

```
func (c *Component) StopConsumers()
```

StopProducers

```
func (c *Component) StopProducers()
```

RunQueues

```
func (c *Component) RunQueues()
```

Logging

```
func (c *Component) Logging()
```

GroupLabel

```
type GroupLabel struct {  
    Kind      string  
    Version   string  
}
```

Kind string

Version string

Group

```
type Group struct {  
    Name          string  
    Description    string  
    Typhoon        GroupLabel  
    Servers        []*Server  
    Clouds         []*Cloud  
}
```

Name string

Description string

Typhoon GroupLabel

Servers []*Server

Clouds []*Cloud

Task

```
type Task struct {  
}
```

Receivers

Run

```
func (t *Task) Run()
```

Stop

```
func (t *Task) Stop()
```

Services

```
type Services struct {  
    Mongo    map[string] mongo.Service  
    Redis    map[string] redis.Service  
}
```

Mongo map[string] mongo.Service

Redis map[string] redis.Service

TestMongo

```
type TestMongo struct {  
}
```

Project

```
type Project struct {  
    AutoReload    bool  
    Path          string  
    Name          string  
    Tag           string  
    LogLevel      string  
    DockerImageName string  
    ConfigFile     string  
    Version       string  
    SelectedComponent []string  
    Watcher       fsnotify.Watcher  
    Services      *services.Services  
    EnvSettings   *environment.Settings  
    Archon        ghosts.ArchonInterface  
    Config        *interfaces.ConfigProject  
    BuilderOptions *interfaces.BuilderOptions  
    Labels        *interfaces.ClusterProjectLabels  
}
```

AutoReload bool

Path string

Name string

Tag string

LogLevel string

DockerImageName string

ConfigFile string

Version string

SelectedComponent []string

Watcher fsnotify.Watcher

Services *services.Services

EnvSettings *environment.Settings

Archon ghosts.ArchonInterface

Config *interfaces.ConfigProject

BuilderOptions *interfaces.BuilderOptions

Labels *interfaces.ClusterProjectLabels

Receivers

GetDockerImageName

```
func (p *Project) GetDockerImageName() string
```

GetLabels

```
func (p *Project) GetLabels() *interfaces.ClusterProjectLabels
```

IsDebug

```
func (p *Project) IsDebug() bool
```

RunFetcherQueues

```
func (p *Project) RunFetcherQueues()
```

GetService

```
func (p *Project) GetService(name string) interfaces.Service
```

GetRepo

```
func (p *Project) GetRepo() (error, *git.Repository)
```

GetConfigs

```
func (p *Project) GetConfigs() []string
```

GetBranch

```
func (p *Project) GetBranch() (error, string)
```

GetRemotes

```
func (p *Project) GetRemotes() ([]*git.Remote, error)
```

GetComponentPort

```
func (p *Project) GetComponentPort(name string) int
```

WatchDir

```
func (p *Project) WatchDir(path string, fi os.FileInfo, err error) error
```

RunTestServices

```
func (p *Project) RunTestServices()
```

ImportExceptions

```
func (p *Project) ImportExceptions(component string, sourceFileName string) error
```

ImportResponseData

```
func (p *Project) ImportResponseData(url string, sourceFile string)
```

TestFunc

```
func (p *Project) TestFunc()
```

CreateProject

```
func (p *Project) CreateProject()
```

BuildCIResources

```
func (p *Project) BuildCIResources()
```

GetEnvSettings

```
func (p *Project) GetEnvSettings() *environment.Settings
```

AddPromise

```
func (p *Project) AddPromise()
```

PromiseDone

```
func (p *Project) PromiseDone()
```

WaitPromises

```
func (p *Project) WaitPromises()
```

Run

```
func (p *Project) Run()
```

Watch

```
func (p *Project) Watch()
```

Close

```
func (p *Project) Close()
```

Down

```
func (p *Project) Down()
```

GetBuilderOptions

```
func (p *Project) GetBuilderOptions() *interfaces.BuilderOptions
```

GetTag

```
func (p *Project) GetTag() string
```

Migrate

```
func (p *Project) Migrate()
```

Build

```
func (p *Project) Build()
```

GetSelectedComponent

```
func (p *Project) GetSelectedComponent() []string
```

RunQueues

```
func (p *Project) RunQueues()
```

StartComponents


```
func (p *Project) StartComponents(promise bool)
```

GetVersion

```
func (p *Project) GetVersion() string
```

CreateSymbolicLink

```
func (p *Project) CreateSymbolicLink() error
```

GetName

```
func (p *Project) GetName() string
```

GetComponents

```
func (p *Project) GetComponents() []string
```

GetConfigFile

```
func (p *Project) GetConfigFile() string
```

GetProjectPath

```
func (p *Project) GetProjectPath() string
```

GetLogLevel

```
func (p *Project) GetLogLevel() string
```

LoadServices

```
func (p *Project) LoadServices(opts interfaces.TyphoonIntegrationsOptions)
```

LoadConfig

```
func (p *Project) LoadConfig() (configProject *interfaces.ConfigProject)
```

CheckProject

```
func (p *Project) CheckProject()
```

RunArchon

```
func (p *Project) RunArchon(promise bool)
```

ServerLabel

```
type ServerLabel struct {  
    Kind      string  
    Version   string  
}
```

Kind string

Version string

Server

```
type Server struct {  
    Name          string  
    Description    string  
    Clusters      []*Cluster  
    Typhoon        ServerLabel  
    Services       *services.Services  
}
```

Name string

Description string

Clusters []*Cluster

Typhoon ServerLabel

Services *services.Services

Variables

Functions

IsClosed

```
func IsClosed(ch <-chan bool) bool
```

N1

```
func N1(n int) bool
```

N2

```
func N2(n int) bool
```

CreateProject

```
func CreateProject()
```

WatchTest

```
func WatchTest()
```

ParseLogData

```
func ParseLogData(fileObject *interfaces.FileObject) error
```

RunUI

```
func RunUI()
```

Package

github.com/vortex14/gotypphoon/builders

Interfaces

Builders

```
type Builders interface {  
    BuilderV11()  
}
```

BuilderV11()

ProjectBuilder

```
type ProjectBuilder interface {  
    Build()  
}
```

Build()

Structs

BuildOptions

```
type BuildOptions struct {  
    Component    string  
    Type         string  
    Meta         interface{}  
}
```

Component string

Type string

Meta interface{}

Package github.com/vortex14/gotypphoon/ctx

Imports

```
import "context"
```


Variable Typedefinitions

ContextKey

```
type ContextKey string
```

Receivers

String

```
func (c ContextKey) String() string
```

Functions

Update

```
func Update(ctx context.Context, key string, value interface{}) context.Context
```

Get

```
func Get(ctx context.Context, key string) interface{}
```

New

```
func New() context.Context
```

Package

github.com/vortex14/gotyphoon/elements/forms

Imports

```
import (  
    "context"  
    "fmt"  
    "strings"  
    "sync"  
    "github.com/fatih/color"  
    "github.com/sirupsen/logrus"  
    "github.com/vortex14/gotyphoon/ctx"  
    "github.com/vortex14/gotyphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotyphoon/elements/models/label"  
    "github.com/vortex14/gotyphoon/elements/models/singleton"  
    Errors "github.com/vortex14/gotyphoon/errors"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/log"  
    "github.com/vortex14/gotyphoon/utils"  
    "net/http"  
)
```

Import *github.com/vortex14/gotyphoon/log*

```
/*      ignore      for      building      amd64-linux      "fmt"      graphvizExt  
"github.com/vortex14/gotyphoon/extensions/models/graphviz" */
```

Import *github.com/vortex14/gotyphoon/interfaces*

```
/*  ignore  for  building  amd64-linux  "fmt"  "github.com/sirupsen/logrus"  graphvizExt  
"github.com/vortex14/gotyphoon/extensions/models/graphviz" */
```

Import *github.com/fatih/color*

```
/* ignore for building amd64-linux "github.com/vortex14/gotyphoon/utils" */
```

Structs

Stats

```
type Stats struct {  
    Input    int64  
}
```

Input int64

Action

```
type Action struct {  
    LOG    interfaces.LoggerInterface  
    Stats  
    Path    string  
    Methods [] string  
    AllowedMethods [] string  
    Controller interfaces.Controller  
    Pipeline interfaces.PipelineGroupInterface  
    PyController interfaces.Controller  
    Middlewares [] interfaces.MiddlewareInterface  
}
```

LOG interfaces.LoggerInterface

Stats

Path string

Methods [] string

AllowedMethods [] string

Controller interfaces.Controller

Pipeline interfaces.PipelineGroupInterface

PyController interfaces.Controller

Middlewares [] interfaces.MiddlewareInterface

Receivers

AddMethod

```
func (a *Action) AddMethod(name string)
```

IsPipeline

```
func (a *Action) IsPipeline() bool
```

GetMiddlewareStack

```
func (a *Action) GetMiddlewareStack() [] interfaces.MiddlewareInterface
```

GetMethods

```
func (a *Action) GetMethods() []string
```

GetController

```
func (a *Action) GetController() interfaces.Controller
```

GetPipeline

```
func (a *Action) GetPipeline() interfaces.PipelineGroupInterface
```

SetHandlerPath

```
func (a *Action) SetHandlerPath(path string)
```

GetHandlerPath

```
func (a *Action) GetHandlerPath() string
```

InitPipelineGraph

```
func (a *Action) InitPipelineGraph()
```

UpdateGraphLabel

```
func (a *Action) UpdateGraphLabel(method string, path string)
```

AddMethodNodes

```
func (a *Action) AddMethodNodes()
```

OnRequest

```
func (a *Action) OnRequest(method string, path string)
```

Run

```
func (a *Action) Run(ctx context.Context, logger interfaces.LoggerInterface)
```

SetLogger

```
func (a *Action) SetLogger(logger interfaces.LoggerInterface)
```

Middleware

```
type Middleware struct {  
    Fn      interfaces.MiddlewareCallback  
    PyFn    interfaces.MiddlewareCallback  
}
```

Fn interfaces.MiddlewareCallback

PyFn interfaces.MiddlewareCallback

Receivers

Pass

```
func (m *Middleware) Pass(  
    context context.Context, logger interfaces.LoggerInterface,  
    reject func(err error), next func(ctx context.Context),  
)
```

BasePipeline

```
type BasePipeline struct {
    Middlewares []interfaces.MiddlewareInterface
    Callbacks   []interfaces.CallbackPipelineInterface
    Fn          func(ctx Context.Context, logger interfaces.LoggerInterface)
              (error, Context.Context)
    Cn          func(ctx Context.Context, logger interfaces.LoggerInterface, err
error)
}
```

Middlewares []interfaces.MiddlewareInterface

Callbacks []interfaces.CallbackPipelineInterface

Fn func(ctx Context.Context, logger interfaces.LoggerInterface) (error, Context.Context)

Cn func(ctx Context.Context, logger interfaces.LoggerInterface, err error)

Receivers

Run

```
func (p *BasePipeline) Run(
    context Context.Context,
    reject func(pipeline interfaces.BasePipelineInterface, err error),
    next func(ctx Context.Context),
)
```

Cancel

```
func (p *BasePipeline) Cancel(ctx Context.Context, logger interfaces.LoggerInterface,
err error)
```

RunMiddlewareStack

```
func (p *BasePipeline) RunMiddlewareStack(
    context Context.Context,
    reject func(middleware interfaces.MiddlewareInterface, err error),
    next func(ctx Context.Context),

)
```

PipelineGroup

```
type PipelineGroup struct {  
    LambdaMap      map[string]interfaces.LambdaInterface  
    PyLambdaMap    map[string]interfaces.LambdaInterface  
    Stages          []interfaces.BasePipelineInterface  
    Consumers       map[string]interfaces.ConsumerInterface  
    LOG             interfaces.LoggerInterface  
}
```

LambdaMap map[string]interfaces.LambdaInterface

PyLambdaMap map[string]interfaces.LambdaInterface

Stages []interfaces.BasePipelineInterface

Consumers map[string]interfaces.ConsumerInterface

LOG interfaces.LoggerInterface

/* ignore for building amd64-linux graph interfaces.GraphInterface */

Receivers

GetFirstPipelineName

```
func (g *PipelineGroup) GetFirstPipelineName() string
```

Run

```
func (g *PipelineGroup) Run(context Context.Context)
```

SetLogger

```
func (g *PipelineGroup) SetLogger(logger interfaces.LoggerInterface)
```

Resource


```

type Resource struct {
    Auth          [] interfaces.ResourceAuthInterface
    LOG           interfaces.LoggerInterface
    Actions       map[string] interfaces.ActionInterface
    Resources     map[string] interfaces.ResourceInterface
    Middlewares   [] interfaces.MiddlewareInterface
    OnSetRouteGroup func(group interface{})
}

```

Auth [] interfaces.ResourceAuthInterface

LOG interfaces.LoggerInterface

Actions map[string] interfaces.ActionInterface

Resources map[string] interfaces.ResourceInterface

Middlewares [] interfaces.MiddlewareInterface

OnSetRouteGroup func(group interface{})

Receivers

SetRouterGroup

```

func (r *Resource) SetRouterGroup(group interface{})

```

SetRouteGroup

```

func (r *Resource) SetRouteGroup(group interface{})

```

GetActions

```

func (r *Resource) GetActions() map[string] interfaces.ActionInterface

```

GetResources

```

func (r *Resource) GetResources() map[string] interfaces.ResourceInterface

```

Get

```
func (r *Resource) Get() interfaces.ResourceInterface
```

GetCountSubResources

```
func (r *Resource) GetCountSubResources() int
```

GetCountActions

```
func (r *Resource) GetCountActions() int
```

HasResource

```
func (r *Resource) HasResource(path string) (bool, interfaces.ResourceInterface)
```

HasAction

```
func (r *Resource) HasAction(path string) (bool, interfaces.ActionInterface)
```

RunMiddlewareStack

```
func (r *Resource) RunMiddlewareStack(  
    ctx context.Context,  
    reject func(err error),  
  
    )
```

IsAuth

```
func (r *Resource) IsAuth() bool
```

InitAuth

```
func (r *Resource) InitAuth(server interfaces.ServerInterface)
```

AddAction

```
func (r *Resource) AddAction(action interfaces.ActionInterface)  
interfaces.ResourceInterface
```

AddResource

```
func (r *Resource) AddResource(resource interfaces.ResourceInterface)
interfaces.ResourceInterface
```

SetLogger

```
func (r *Resource) SetLogger(logger interfaces.LoggerInterface)
interfaces.ResourceInterface
```

GetRouterGroup

```
func (r *Resource) GetRouterGroup() interface{}
```

TyphoonServer

```
type TyphoonServer struct {
    Port                int
    IsDebug             bool
    IsRunning           bool
    Level               string
    LOG                 *logrus.Entry
    Logger              *log.TyphoonLogger
    Resources            map[string]interfaces.ResourceInterface
    OnStart              OnStart
    OnRequest            OnRequest
    OnInitAction         OnInitAction
    OnServeHandler       OnServeHandler
    OnBuildSubResources  OnBuildSubResources
    OnBuildSubAction     OnBuildSubAction
    OnInitResource       OnInitResource
    OnAddResource        OnAddResource
    OnResponse           OnResponse
    OnReject             OnReject
    OnCors               OnCors
    OnExit              OnExit
    LoggerOptions        *log.Options
    SwaggerOptions       *interfaces.SwaggerOptions
    TracingOptions       *interfaces.TracingOptions
    ArchonChIN           ArchonChIN
    ArchonChOut          ArchonChOut
    BuildGraph           bool
}
```

Port int

IsDebug bool

IsRunning bool

Level string

LOG *logrus.Entry

Logger *log.TyphoonLogger

Resources map[string]interfaces.ResourceInterface

OnStart OnStart

OnRequest OnRequest

OnInitAction OnInitAction

OnServeHandler OnServeHandler

OnBuildSubResources OnBuildSubResources

OnBuildSubAction OnBuildSubAction

OnInitResource OnInitResource

OnAddResource OnAddResource

OnResponse OnResponse

OnReject OnReject

OnCors OnCors

OnExit OnExit

LoggerOptions *log.Options

SwaggerOptions *interfaces.SwaggerOptions

TracingOptions *interfaces.TracingOptions

ArchonChIN ArchonChIN

ArchonChOut ArchonChOut

BuildGraph bool

Receivers

SetRouterGroup

```
func (s *TyphoonServer) SetRouterGroup(resource interfaces.ResourceInterface, group interface{})
```

Stop

```
func (s *TyphoonServer) Stop() error
```

Restart

```
func (s *TyphoonServer) Restart() error
```

RunServer

```
func (s *TyphoonServer) RunServer(port int) error
```

Init

```
func (s *TyphoonServer) Init() interfaces.ServerInterface
```

InitDocs

```
func (s *TyphoonServer) InitDocs() interfaces.ServerInterface
```

InitTracer

```
func (s *TyphoonServer) InitTracer() interfaces.ServerInterface
```

InitLogger

```
func (s *TyphoonServer) InitLogger() interfaces.ServerInterface
```

Run

```
func (s *TyphoonServer) Run() error
```

InitResourcesMap

```
func (s *TyphoonServer) InitResourcesMap()
```

InitRequestPath

```
func (s *TyphoonServer) InitRequestPath(context context.Context, path string)
context.Context
```

GetAction

```
func (s *TyphoonServer) GetAction(
    requestPath string,
    logger interfaces.LoggerInterface,
    context context.Context,

    ) interfaces.ActionInterface
```

GetAction find the correct action for the client request

RunMiddlewareStack

```
func (s *TyphoonServer) RunMiddlewareStack(
    requestContext context.Context,
    action interfaces.ActionInterface,
    ) (error, bool, context.Context)
```

RunMiddlewareStack - pass request to controller middleware stack. Middleware may reject request by custom condition or just enrich context client request. Middleware may raise exception, but it be pass if flag required = false. Flag = true will be immediately reject client request

CreateResource

```
func (s *TyphoonServer) CreateResource(path string, opts label.MetaInfo) (error,
interfaces.ResourceInterface)
```

AddResource

```
func (s *TyphoonServer) AddResource(resource interfaces.ResourceInterface)
interfaces.ServerInterface
```

GetServerEngine

```
func (s *TyphoonServer) GetServerEngine() interface{}
```

SetServerEngine

```
func (s *TyphoonServer) SetServerEngine(server interface{})
```

ServerBuilder

```
type ServerBuilder struct {
    Constructor    func(project interfaces.Project) interfaces.ServerInterface
}
```

Constructor func(project interfaces.Project) interfaces.ServerInterface

Receivers

Run

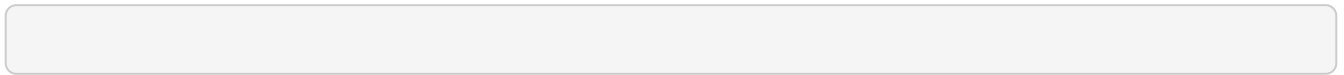
```
func (s *ServerBuilder) Run(project interfaces.Project) interfaces.ServerInterface
```

Constants

```
const (
    )
```

RoutePath

RequestContext



Function Definitions

Controller

```
type Controller func(ctx context.Context, logger interfaces.LoggerInterface)
```

OnExit

```
type OnExit func()
```

OnStart

```
type OnStart func(port int) error
```

OnRequest

```
type OnRequest func(context context.Context)
```

OnServeHandler

```
type OnServeHandler func(path string, method string, resource  
interfaces.ResourceInterface)
```

OnResponse

```
type OnResponse func(status int, data interfaces.Response)
```

OnInitResource

```
type OnInitResource func(newResource interfaces.ResourceInterface)
```

OnInitAction

```
type OnInitAction      func(resource interfaces.ResourceInterface, action
interfaces.ActionInterface)
```

OnBuildSubResources

```
type OnBuildSubResources func(subResource interfaces.ResourceInterface)
```

OnBuildSubAction

```
type OnBuildSubAction   func(resource interfaces.ResourceInterface, action
interfaces.ActionInterface)
```

OnAddResource

```
type OnAddResource      func(resource interfaces.ResourceInterface)
```

OnReject

```
type OnReject           func(status int, data interfaces.Response)
```

OnCors

```
type OnCors             func()
```

ArchonChIN

```
type ArchonChIN         func(chan<- interface{} )
```

ArchonChOut

```
type ArchonChOut        func(<-chan interface{} )
```

Functions

Package

github.com/vortex14/gotlyphoon/elements/ghosts/agent

Package

github.com/vortex14/gotlyphoon/elements/models/awaitabler

Imports

```
import "sync"
```

Structs

Object

```
type Object struct {  
}
```

Receivers

Init

```
func (o *Object) Init()
```

Add

```
func (o *Object) Add()
```

Done

```
func (o *Object) Done()
```

Await

```
func (o *Object) Await()
```

Functions

Package

github.com/vortex14/gotlyphoon/elements/models/bar

Imports

```
import "fmt"
```


Structs

Bar

```
type Bar struct {  
    Cur          int64  
    Total        int64  
    Description  string  
}
```

Cur int64

Total int64

Description string

Receivers

NewOption

```
func (bar *Bar) NewOption(start, total int64)
```

NewOptionWithGraph

```
func (bar *Bar) NewOptionWithGraph(start, total int64, graph string)
```

Play

```
func (bar *Bar) Play(cur int64, description string)
```

IncCur

```
func (bar *Bar) IncCur(cur int64)
```

Increment

```
func (bar *Bar) Increment()
```

Finish

```
func (bar *Bar) Finish()
```

Functions

Package

github.com/vortex14/gotlyphoon/elements/models/config

Package

github.com/vortex14/gotypphoon/elements/models/file

Imports

```
import (  
    "io"  
    "os"  
    "github.com/vortex14/gotypphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotypphoon/elements/models/label"  
    "github.com/vortex14/gotypphoon/elements/models/singleton"  
    "github.com/vortex14/gotypphoon/interfaces"  
)
```

Structs

File

```
type File struct {  
    Link      *os.File  
    Path      string  
    LOG       interfaces.LoggerInterface  
    OnFinish   func(f *os.File)  
}
```

Link *os.File

Path string

LOG interfaces.LoggerInterface

OnFinish func(f *os.File)

Receivers

Init

```
func (f *File) Init()
```

GetFileSize

```
func (f *File) GetFileSize() int64
```

Functions

Package

github.com/vortex14/gotlyphoon/elements/models/folder

Structs

ExportOptions

```
type ExportOptions struct {  
    TarPath    string  
    IsCompress bool  
}
```

TarPath string

IsCompress bool

Folder

```
type Folder struct {  
    Path        string  
    ExportOptions  
}
```

Path string

ExportOptions

Receivers

Compress

```
func (f *Folder) Compress() error
```

Uncompress

```
func (f *Folder) Uncompress() error
```

Functions

Package

github.com/vortex14/gotypphoon/elements/models/gif

Imports

```
import (  
    "fmt"  
    "image"  
    "github.com/vortex14/gotypphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotypphoon/elements/models/label"  
    "github.com/vortex14/gotypphoon/elements/models/singleton"  
    "github.com/vortex14/gotypphoon/log"  
    "github.com/vortex14/gotypphoon/utils/img"  
)
```

Structs

Gif

```
type Gif struct {  
    Fps          int  
    PathImg      []string  
    ExportPath   string  
    SourceFormat string  
}
```

Fps int

PathImg []string

ExportPath string

SourceFormat string

Receivers

Append

```
func (g *Gif) Append(path string) *Gif
```

Create

```
func (g *Gif) Create()
```

Functions

Package

**[github.com/vortex14/gotlyphoon/elements/m
odels/image](https://github.com/vortex14/gotlyphoon/elements/models/image)**

Structs

Image

```
type Image struct {  
}
```

Package

github.com/vortex14/gotlyphoon/elements/models/label

Imports

```
import "strings"
```


Structs

MetaInfo

```
type MetaInfo struct {  
    Path      string  
    Name      string  
    Label     string  
    Required  bool  
    Description string  
}
```

Path string

Name string

Label string

Required bool

Description string

Receivers

GetName

```
func (l *MetaInfo) GetName() string
```

SetLabel

```
func (l *MetaInfo) SetLabel(label string)
```

GetLabel

```
func (l *MetaInfo) GetLabel() string
```

GetDescription

```
func (l *MetaInfo) GetDescription() string
```

IsRequired

```
func (l *MetaInfo) IsRequired() bool
```

SetName

```
func (l *MetaInfo) SetName(name string)
```

SetDescription

```
func (l *MetaInfo) SetDescription(description string)
```

GetPath

```
func (l *MetaInfo) GetPath() string
```

SetPath

```
func (l *MetaInfo) SetPath(path string)
```

SetRequired

```
func (l *MetaInfo) SetRequired()
```

Functions

Package

github.com/vortex14/gotlyphoon/elements/models/singleton

Imports

```
import "sync"
```

Structs

Singleton

```
type Singleton struct {  
}
```

Receivers

Construct

```
func (s *Singleton) Construct(init func())
```

Destruct

```
func (s *Singleton) Destruct(finish func())
```

Functions

Package

github.com/vortex14/gotyphoon/elements/models/task

Imports

```
import (  
    "context"  
    "github.com/fatih/color"  
    "github.com/vortex14/gotyphoon/ctx"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/utils"  
)
```

Structs

FetcherTask

```
type FetcherTask struct {  
    Url            string  
    Proxy          string  
    ProxyServer    string  
    Method         string  
    Timeout        int  
    MaxRetries     int  
    MaxFailed      int  
    Headers        map[string]string  
    Cookies        interface{}  
    Auth           map[string]string  
    IsProxyRequired bool  
    IsResponseCache bool  
    Strategy       string  
    Save           struct  
    Data           interface{}  
    JSON           interface{}  
    Stream         bool  
    UserAgentRequired bool  
    ForceUpdate    bool  
    LinesLimit     map[string]string  
    Response       struct  
}
```

Url string

Proxy string

ProxyServer string

Method string

Timeout int

MaxRetries int

MaxFailed int

Headers map[string]string

Cookies interface{}

Auth map[string]string

IsProxyRequired bool

IsResponseCache bool

Strategy string

Data interface{}

JSON interface{}

Stream bool

UserAgentRequired bool

ForceUpdate bool

LinesLimit map[string]string

Save

```
struct {  
    Project    map[string]string  
    System     struct  
}
```

Project map[string]string

System

```
struct {  
    Failed      int  
    Retries     int  
    StatusCode  int  
    AddedAt     int  
    RetriesDelay int  
    ExecuteAt   int  
    Exception    struct  
}
```

Failed int

Retries int

StatusCode int

AddedAt int

RetriesDelay int

ExecuteAt int

Exception

```
struct {  
    Type          interface{}  
    Message       string  
    ErrorDefinition interface{}  
}
```

Type interface{}

Message string

ErrorDefinition interface{}

Response

```
struct {  
    Content  string  
    Code     int  
    Headers  map[string]string  
    Cookies  string  
    URL      string  
    OrigURL  string  
}
```

Content string

Code int

Headers map[string]string

Cookies string

URL string

OrigURL string

Receivers

IsBadStatus

```
func (t *FetcherTask) IsBadStatus() bool
```

IsFailedRetry

```
func (t *FetcherTask) IsFailedRetry() bool
```

IsResponseRetry

```
func (t *FetcherTask) IsResponseRetry() bool
```

IsMaxFailedRetry

```
func (t *FetcherTask) IsMaxFailedRetry() bool
```

IsMaxResponseRetry

```
func (t *FetcherTask) IsMaxResponseRetry() bool
```

ProcessorTask

```
type ProcessorTask struct {  
    ErrorResponse    bool  
    MaxProcessorRetries int  
    Callback         struct  
    Strategy         string  
    Save             struct  
    History          []interface{ }  
}
```

ErrorResponse bool

MaxProcessorRetries int

Strategy string

History []interface{}

Callback

```
struct {  
    Name    string  
    Type    string  
}
```

Name string

Type string

Save

```
struct {  
    Project    ProjectSave  
    System    struct  
}
```

Project ProjectSave

System

```
struct {  
    ProcessorRetries    int  
}
```

ProcessorRetries int

Receivers

IsMaxProcessorRetry

```
func (t *ProcessorTask) IsMaxProcessorRetry() bool
```

IsProcessorRetry

```
func (t *ProcessorTask) IsProcessorRetry() bool
```

SchedulerTask

```
type SchedulerTask struct {  
    Age      int  
    SendTo   string  
}
```

Age int

SendTo string

TyphoonTask

```
type TyphoonTask struct {  
    Fetcher           FetcherTask  
    Processor          ProcessorTask  
    Scheduler          SchedulerTask  
    ResultTransporter TransporterTask  
    Priority           int  
    URL               string  
    Taskid            string  
    ProjectName       string  
}
```

Fetcher FetcherTask

Processor ProcessorTask

Scheduler SchedulerTask

ResultTransporter TransporterTask

Priority int

URL string

Taskid string

ProjectName string

Receivers

GetFetcherMethod

```
func (t *TyphoonTask) GetFetcherMethod() string
```

SetJsonRequestData

```
func (t *TyphoonTask) SetJsonRequestData(values interface{})
```

GetFetcherRequestJson

```
func (t *TyphoonTask) GetFetcherRequestJson() []byte
```

GetFetcherTimeout

```
func (t *TyphoonTask) GetFetcherTimeout() int
```

GetFetcherUrl

```
func (t *TyphoonTask) GetFetcherUrl() string
```

SetFetcherUrl

```
func (t *TyphoonTask) SetFetcherUrl(url string)
```

SetProxyServerUrl

```
func (t *TyphoonTask) SetProxyServerUrl(url string)
```

SetUserAgent

```
func (t *TyphoonTask) SetUserAgent(agent string)
```

SetProxyAddress

```
func (t *TyphoonTask) SetProxyAddress(address string)
```

IsProxyRequired

```
func (t *TyphoonTask) IsProxyRequired() bool
```

GetProxyAddress

```
func (t *TyphoonTask) GetProxyAddress() string
```

GetUserAgent

```
func (t *TyphoonTask) GetUserAgent() string
```

GetProxyServerUrl

```
func (t *TyphoonTask) GetProxyServerUrl() string
```

SetStatusCode

```
func (t *TyphoonTask) SetStatusCode(code int)
```

IsMaxRetry

```
func (t *TyphoonTask) IsMaxRetry() bool
```

UpdateRetriesCounter

```
func (t *TyphoonTask) UpdateRetriesCounter()
```

IsRetry

```
func (t *TyphoonTask) IsRetry() bool
```

TransporterTask

```
type TransporterTask struct {  
    Consumer      string  
    ForceUpdate   bool  
    Age           int  
    Save          interface{}  
    Result        interface{}  
}
```

Consumer string

ForceUpdate bool

Age int

Save interface{}

Result interface{}

Variable Typedefinitions

Statuses

```
type Statuses map[int]bool
```

Codes

```
type Codes map[string]int
```

ProjectSave

```
type ProjectSave map[string]string
```

Variables

Functions

Get

```
func Get(c context.Context) (bool, *TyphoonTask)
```

GetTaskCtx

```
func GetTaskCtx(context context.Context) *TyphoonTask
```

NewTaskCtx

```
func NewTaskCtx(task *TyphoonTask) context.Context
```

PatchCtx

```
func PatchCtx(context context.Context, task *TyphoonTask) context.Context
```

Package

github.com/vortex14/gotlyphoon/elements/models/timer

Imports

```
import "time"
```

Structs

Timer

```
type Timer struct {  
}
```

Timer represents a monitor/iterator that runs a function on a given interval.

Receivers

Start

```
func (timer *Timer) Start()
```

Start the timer.

Await

```
func (timer *Timer) Await()
```

Stop

```
func (timer *Timer) Stop()
```

Stop the timer.

Count

```
func (timer *Timer) Count() int
```

Count represents the number of times the interval has been processed.

Reset

```
func (timer *Timer) Reset()
```

Reset the timer

IsRunning

```
func (timer *Timer) IsRunning() bool
```

IsRunning returns a boolean flag indicating whether the timer is running or not.

Functions

SetInterval

```
func SetInterval(fn func(args ...interface{}), duration int, args ...interface{})
*Timer
```

SetInterval runs the specified function every **X** milliseconds, where **X** is the specified interval duration.

SetTimeout

```
func SetTimeout(fn func(args ...interface{}), duration int, args ...interface{})
*Timer
```

SetTimeout runs the specified function after waiting the specified duration (defined in milliseconds)

Package

github.com/vortex14/gotypphoon/environment

Imports

```
import (  
    "bufio"  
    "bytes"  
    "fmt"  
    "log"  
    "os"  
    "strings"  
    "github.com/fatih/color"  
    "github.com/kelseyhightower/envconfig"  
    "os/exec"  
)
```


Structs

DockerSettings

```
type DockerSettings struct {  
    DockerLogin      string  
    DockerPassword   string  
    DockerHub        string  
    DockerImages     string  
}
```

DockerLogin string

DockerPassword string

DockerHub string

DockerImages string

GrafanaSettings

```
type GrafanaSettings struct {  
    GrafanaToken      string  
    GrafanaEndpoint   string  
}
```

GrafanaToken string

GrafanaEndpoint string

GitlabSettings

```
type GitlabSettings struct {  
    Gitlab           string  
    GitlabToken      string  
}
```

Gitlab string

GitlabToken string

TyphoonSettings

```
type TyphoonSettings struct {  
    Path      string  
    Status    string  
    Clusters  string  
    Projects  string  
}
```

Path string

Status string

Clusters string

Projects string

Settings

```
type Settings struct {  
    DockerSettings  
    GitlabSettings  
    GrafanaSettings  
    TyphoonSettings  
}
```

DockerSettings

GitlabSettings

GrafanaSettings

TyphoonSettings

Environment

```
type Environment struct {  
    ProfilePath string  
}
```

ProfilePath string

Receivers

Load

```
func (e *Environment) Load()
```

Set

```
func (e Environment) Set()
```

Get

```
func (e Environment) Get()
```

GetSettings

```
func (e *Environment) GetSettings() (error error, settings *Settings)
```

Functions

Package

github.com/vortex14/gotlyphoon/errors

Imports

```
import (  
    Errors "errors"  
)
```

Variables

BasicAuthContextFailed

NotFoundCantrip

ErrorCmdNotFound

BadRequest

ActionMethodsNotFound

MongoNotFoundDB

MongoNotFoundDBMap

SolrConnectionsOptionsNotFound

SolrConnectionEndpointError

DemonFoolish

DemonNotFound

DemonHasNotProject

DemonExecutingWithoutSettings

DockerCommandAlreadyStarted

DockerCommandNotStarted

DockerStoutAlreadySet

DockerStdErrAlreadySet

DockerStdInAlreadySet

NotFoundSigil

GraphNameNotFound

GraphResourceNotFound

GraphMainGraphNotFound

GraphNotFoundFormat

GraphEdgeContextBroken

GraphEdgeOptionsNotFound

GraphEdgeNotFound

GraphParentNodeNotFound

GraphNodeOptionsNotFound

GraphOptionsLabelRequired

GraphOptionsNotFound

GraphResourceContextInvalid

GraphActionContextInvalid

JqExecuteQueryError

LambdaRequired

TaskPipelineRequiredHandler

TaskPipelineRequiredCancelHandler

MiddlewareBasicAuthOptionsNotFound

MiddlewareNotImplemented

MiddlewareRequired

ForceSkipMiddlewares

ForceSkipRequest

MiddlewareContextFailed

TableHeadersNotFound

PipelineContextFailed

CtxLogFailed

ProjectGitlabNotFound

ProxyBusy

ProxyBlocked

ProxyTimeout

ProxyAuthFailed

ProxyUrlWrong

ProxyTaskNotFound

ProxyTaskRequired

ProxyServerNotAvailable

ProxyServerError

RequestErrorClientContext

ResponseHttpGzipDecodeError

ResponseReaderCloseError

ResponseReadError

ResponsePathError

ResponseEmptyError

ActionAlreadyExists

ServerNotFoundError

ResourceAlreadyExist

NoResourcesAvailable

ServerMethodNotImplemented

ServerOnStartError

ActionContextRequestFailed

ActionAddMethodNotImplemented

ActionPathNotFound

ServerOnHandlerMethodNotImplemented

ServerEngineNotImplemented

ServerContextFailed

TracerContextNotFound

ServiceNotAvailable

ErrorSshCloseClient

ErrorSshCloseSession

ErrorSshConnection

Package

github.com/vortex14/gotyphoon/extensions/agents/capturer

Imports

```
import (  
    "bytes"  
    "time"  
    "github.com/kbinani/screenshot"  
    "github.com/vortex14/gotyphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotyphoon/elements/models/singleton"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/log"  
    "image/jpeg"  
)
```

Structs

Capturer

```
type Capturer struct {  
    Count      int  
    Active     bool  
    Quality    int  
    Delay      float32  
    IsFullScreen bool  
    Output     chan []byte  
    LOG        interfaces.LoggerInterface  
}
```

Count int

Active bool

Quality int

Delay float32

IsFullScreen bool

Output chan []byte

LOG interfaces.LoggerInterface

Receivers

Stop

```
func (c *Capturer) Stop() *Capturer
```

Capture

```
func (c *Capturer) Capture() *Capturer
```


Functions

Package

github.com/vortex14/gotlyphoon/extensions/agents/ci

Package

**github.com/vortex14/gotyphoon/extensions/
agents/events-metric-v1**

Imports

```
import (  
    "context"  
    "time"  
    Gin "github.com/gin-gonic/gin"  
    "github.com/vortex14/gotyphoon/elements/forms"  
    "github.com/vortex14/gotyphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotyphoon/elements/models/label"  
    "github.com/vortex14/gotyphoon/elements/models/singleton"  
    "github.com/vortex14/gotyphoon/extensions/servers/gin"  
    "github.com/vortex14/gotyphoon/extensions/servers/gin/controllers/graph"  
    "github.com/vortex14/gotyphoon/extensions/servers/gin/controllers/ping"  
    GinMiddlewares "github.com/vortex14/gotyphoon/extensions/servers/gin/middlewares"  
    "github.com/vortex14/gotyphoon/integrations/mongo"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/interfaces/server"  
    "github.com/vortex14/gotyphoon/log"  
    "go.mongodb.org/mongo-driver/bson"  
    Mongo "go.mongodb.org/mongo-driver/mongo"  
)
```

Structs

Track

```
type Track struct {  
    Event          string  
    RegisteredAt   time.Time  
    Payload         interface{}  
}
```

Event string

RegisteredAt time.Time

Payload interface{}

AgentMetric

```
type AgentMetric struct {  
    ServerDescription    string  
    ServerBasePath       string  
    ServerPort           int  
    ServerName           string  
    Databases             []string  
    MongoHost            string  
    MongoPort            int  
    OutDb                string  
    OutCollection         string  
    LOG                  interfaces.LoggerInterface  
}
```

ServerDescription string

ServerBasePath string

ServerPort int

ServerName string

Databases []string

MongoHost string

MongoPort int

OutDb string

OutCollection string

LOG interfaces.LoggerInterface

Receivers

Run

```
func (m *AgentMetric) Run()
```

Constants

```
const (  
  
)
```

TRACKER

Functions

Package

**github.com/vortex14/gotyphoon/extensions/
agents/sftp**

Imports

```
import (  
    "github.com/fsnotify/fsnotify"  
    "github.com/vortex14/gotyphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotyphoon/elements/models/label"  
    . "github.com/vortex14/gotyphoon/elements/models/singleton"  
    Errors "github.com/vortex14/gotyphoon/errors"  
    . "github.com/vortex14/gotyphoon/extensions/models/watcher"  
    "github.com/vortex14/gotyphoon/integrations/ssh"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/log"  
)
```

Structs

Mirror

```
type Mirror struct {  
    HostPath      string  
    DestinationPath string  
    ExcludeMatch  []string  
}
```

HostPath string

DestinationPath string

ExcludeMatch []string

Agent

```
type Agent struct {  
    Singleton  
    SSHOptions ssh.Options  
    LOG         interfaces.LoggerInterface  
}
```

Singleton

SSHOptions ssh.Options

LOG interfaces.LoggerInterface

Receivers

PingSSH

```
func (a *Agent) PingSSH() bool
```

Watch

```
func (a *Agent) Watch(options Mirror)
```


CopyFileFromHost

```
func (a *Agent) CopyFileFromHost(options Mirror) error
```

Functions

Constructor

```
func Constructor(options ssh.Options) *Agent
```

Package

**github.com/vortex14/gotyphoon/extensions/
archons/project**

Imports

```
import (  
    "sync"  
    "github.com/fatih/color"  
    Errors "github.com/vortex14/gotyphoon/errors"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/interfaces/ghosts"  
)
```

Structs

Archon

```
type Archon struct {  
}
```

Receivers

AddPromise

```
func (a *Archon) AddPromise()
```

Call

```
func (a *Archon) Call(detail *ghosts.DemonDecree) error
```

ClosePromise

```
func (a *Archon) ClosePromise()
```

AwaitDecision

```
func (a *Archon) AwaitDecision()
```

RunDemons

```
func (a *Archon) RunDemons(project interfaces.Project)
```

RunProjectServers

```
func (a *Archon) RunProjectServers(project interfaces.Project)
```

Functions

Package

**github.com/vortex14/gotypphoon/extensions/
data**

Imports

```
import "github.com/vortex14/gotypphoon/interfaces"
```

Structs

StructData

```
type StructData struct {  
    Fields    []string  
}
```

Fields []string

Receivers

GetFields

```
func (s *StructData) GetFields()
```

Variables

Brands

CategoriesFirstLevel

CategoriesSecondLevel

CategoriesThirdLevel

Functions

TestFunc

```
func TestFunc () interfaces.TestData
```

Package

**github.com/vortex14/gotyphoon/extensions/
data/fake**

Imports

```
import (  
    "fmt"  
    "reflect"  
    "strconv"  
    "time"  
    "encoding/base64"  
    browser "github.com/EDDYCJY/fake-useragent"  
    "github.com/brianvoe/gofakeit/v6"  
    "github.com/bxcodec/faker"  
    "github.com/dgrijalva/jwt-go"  
    "github.com/fatih/color"  
    "github.com/osamingo/checkdigit"  
    typhoonTask "github.com/vortex14/gotyphoon/elements/models/task"  
    "github.com/vortex14/gotyphoon/extensions/data"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/utils"  
    "math/rand"  
)
```

Structs

Category

```
type Category struct {  
    Name    string  
    Id      string  
}
```

Name string

Id string

Categories

```
type Categories struct {  
    Categories      []string  
    CategoriesIds   []string  
}
```

Categories []string

CategoriesIds []string

Charge

```
type Charge struct {  
    Id          string  
    Amount      float32  
    Currency    string  
}
```

Id string

Amount float32

Currency string

Customer

```
type Customer struct {  
    Id      string  
    Name    string  
    Phone   string  
    Email   string  
}
```

Id string

Name string

Phone string

Email string

Payment

```
type Payment struct {  
    Id            string  
    Price         float32  
    Currency      string  
    CreditCardExp string  
    CreditCardType string  
    CreditCardNumber string  
}
```

Id string

Price float32

Currency string

CreditCardExp string

CreditCardType string

CreditCardNumber string

ProductShippingDimensions

```
type ProductShippingDimensions struct {  
    Dimensions struct  
}
```

Dimensions

```
struct {  
    Height    struct  
    Length    struct  
    Depth     struct  
    Weight    struct  
}
```

Height

```
struct {  
    Value    float64  
    Unit     string  
}
```

Value float64

Unit string

Length

```
struct {  
    Value    float64  
    Unit     string  
}
```

Value float64

Unit string

Depth

```
struct {  
    Value    float64  
    Unit     string  
}
```

Value float64

Unit string

Weight

```
struct {  
    Value    float64  
    Unit     string  
}
```

Value float64

Unit string

BaseProduct

```
type BaseProduct struct {  
    Url        string  
    Upc        string  
    Id         string  
    Title      string  
    Description string  
    Price      struct  
}
```

Url string

Upc string

Id string

Title string

Description string

Price

```
struct {  
    OfferPrice float32  
    ListingPrice float32  
}
```

OfferPrice float32

ListingPrice float32

StockProduct

```
type StockProduct struct {  
    Quantity    int  
}
```

Quantity int

MediaProductDetails

```
type MediaProductDetails struct {  
    Images    []string  
}
```

Images []string

ProviderDetails

```
type ProviderDetails struct {  
    ApiProvider      string  
    CountryOfOrigin  string  
    Marketplace      string  
}
```

ApiProvider string

CountryOfOrigin string

Marketplace string

ProductAttributes

```
type ProductAttributes struct {  
    Color    string  
    Brand    string  
}
```

Color string

Brand string

Product

```
type Product struct {  
    BaseProduct  
    Categories  
    StockProduct  
    ProviderDetails  
    Shipping      ProductShippingDimensions  
    ProductId     string  
}
```

BaseProduct

Categories

StockProduct

ProviderDetails

Shipping ProductShippingDimensions

ProductId string

Proxy

```
type Proxy struct {  
    Proxy      string  
    Agent      string  
    Success    bool  
    AgentMobile string  
}
```

Proxy string

Agent string

Success bool

AgentMobile string

Upc


```
type Upc struct {  
    Upc    string  
}
```

Upc string

Variables

Functions

CreateCategories

```
func CreateCategories() *Categories
```

CreateCategory

```
func CreateCategory() *Category
```

CreateCharge

```
func CreateCharge() *Charge
```

CreateCustomer

```
func CreateCustomer() *Customer
```

GenerateImage

```
func GenerateImage()
```

CreatePayment

```
func CreatePayment() *Payment
```

CreateProduct

```
func CreateProduct() *Product
```

CreateProductWithId

```
func CreateProductWithId() *BaseProduct
```

CreateShipping

```
func CreateShipping() *ProductShippingDimensions
```

CreateFakeProxy

```
func CreateFakeProxy() *Proxy
```

CreateDefaultTask

```
func CreateDefaultTask() *typhoonTask.TyphoonTask
```

CreateFakeTask

```
func CreateFakeTask(options interfaces.FakeTaskOptions) (*typhoonTask.TyphoonTask,  
error)
```

CreateUpc

```
func CreateUpc() *Upc
```

Package

**github.com/vortex14/gotyphoon/extensions/
demons/service**

Imports

```
import (  
    "sync"  
    "github.com/fatih/color"  
    Errors "github.com/vortex14/gotyphoon/errors"  
    NSQSig "github.com/vortex14/gotyphoon/extensions/sigils/nsq"  
    "github.com/vortex14/gotyphoon/interfaces"  
    "github.com/vortex14/gotyphoon/interfaces/ghosts"  
)
```

Structs

Demon

```
type Demon struct {  
}
```

Receivers

GetName

```
func (d *Demon) GetName() string
```

Run

```
func (d *Demon) Run() error
```

Sleep

```
func (d *Demon) Sleep() error
```

AddSigil

```
func (d *Demon) AddSigil(sig *interfaces.Sigil) bool
```

Execute

```
func (d *Demon) Execute(detail *ghosts.DemonDecree) error
```

Constants

```
const (  
  
)
```

NAME

DESCRIPTION

Variables

BaseOptions

Functions

Constructor

```
func Constructor(opt *ghosts.DemonOptions, project interfaces.Project)
ghosts.DemonInterface
```

Package

github.com/vortex14/gotlyphoon/extensions/forms/graph

Package

github.com/vortex14/gotypphoon/extensions/forms/http

Imports

```
import (  
    "github.com/vortex14/gotypphoon/elements/forms"  
    "github.com/vortex14/gotypphoon/interfaces"  
)
```

Structs

PipelineHttpGroup

```
type PipelineHttpGroup struct {  
    LambdaMap      map[string]interfaces.LambdaInterface  
    PyLambdaMap    map[string]interfaces.LambdaInterface  
    Stages          []interfaces.BasePipelineInterface  
    Consumers       map[string]interfaces.ConsumerInterface  
}
```

LambdaMap map[string]interfaces.LambdaInterface

PyLambdaMap map[string]interfaces.LambdaInterface

Stages []interfaces.BasePipelineInterface

Consumers map[string]interfaces.ConsumerInterface

Package

**github.com/vortex14/gotyphoon/extensions/
middlewares**

Imports

```
import (  
    "context"  
    "github.com/vortex14/gotyphoon/ctx"  
    "github.com/vortex14/gotyphoon/elements/forms"  
    "github.com/vortex14/gotyphoon/elements/models/task"  
    "github.com/vortex14/gotyphoon/interfaces"  
)
```

Structs

TaskMiddleware

```
type TaskMiddleware struct {  
    Fn    MiddlewareTaskCallback  
}
```

Fn MiddlewareTaskCallback

Receivers

Pass

```
func (m *TaskMiddleware) Pass(  
    context context.Context,  
    logger interfaces.LoggerInterface,  
    reject func(err error),  
    next func(ctx context.Context),  
  
    )
```

Function Definitions

MiddlewareTaskCallback

```
type MiddlewareTaskCallback func(  
    context context.Context,  
    task *task.TyphoonTask,  
    logger interfaces.LoggerInterface,  
    reject func(err error),  
    next func(ctx context.Context),  
)
```

Functions

Package

**[github.com/vortex14/gotlyphoon/extensions/
models](https://github.com/vortex14/gotlyphoon/extensions/models)**

Structs

Proxy

```
type Proxy struct {  
    Proxy      string  
    Agent      string  
    Success    bool  
    AgentMobile string  
}
```

Proxy string

Agent string

Success bool

AgentMobile string

Package

**[github.com/vortex14/gotlyphoon/extensions/
models/generator](https://github.com/vortex14/gotlyphoon/extensions/models/generator)**

Package

**github.com/vortex14/gotypphoon/extensions/
models/go-cmd**

Imports

```
import (  
    "sync"  
    "time"  
    "github.com/go-cmd/cmd"  
    "github.com/vortex14/gotypphoon/elements/models/awaitabler"  
    "github.com/vortex14/gotypphoon/elements/models/singleton"  
    Errors "github.com/vortex14/gotypphoon/errors"  
)
```

Structs

Command

```
type Command struct {  
    Cmd      string  
    Dir      string  
    Args     []string  
    Refresh  float32  
    Output   chan string  
}
```

Cmd string

Dir string

Args []string

Refresh float32

Output chan string

Receivers

Run

```
func (c *Command) Run() error
```

Functions

Package

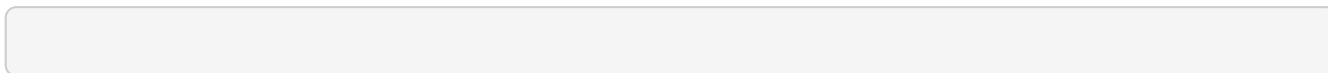
**[github.com/vortex14/gotypphoon/extensions/
models/graphviz](https://github.com/vortex14/gotypphoon/extensions/models/graphviz)**

Constants

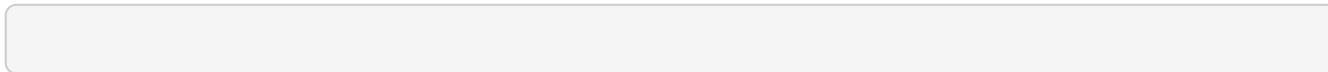
```
const (
```

```
)
```

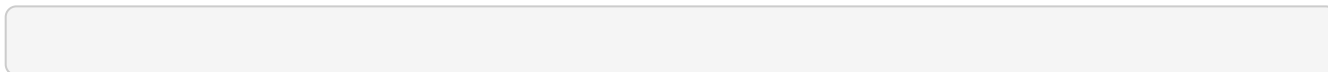

ARROWBox



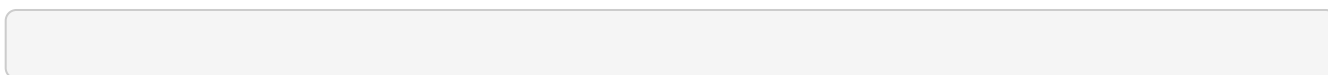
ARROWVee



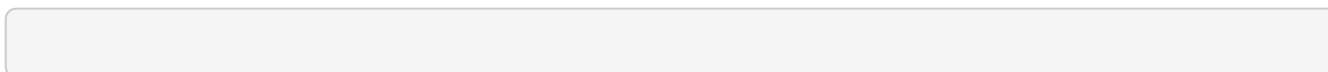
ARROWNone



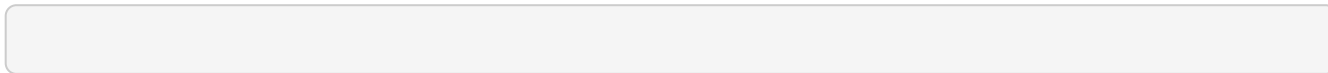
ARROWNormal



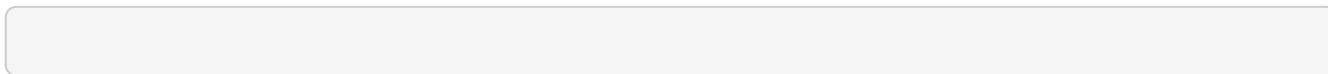
COLORRed



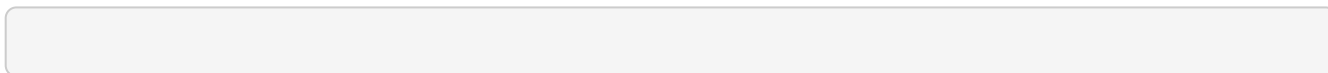
COLORNavy



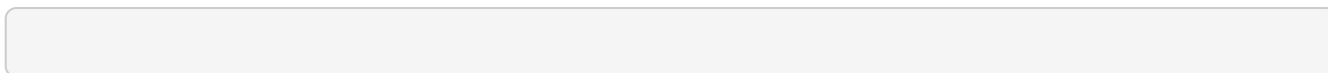
COLORBlack



COLORGreen



COLORTomato



COLORAzure



COLORSnow



COLORAliceblue



COLORBeige



COLORDarksalmon



COLORGainsboro



COLORCornflowerblue



COLORCoral



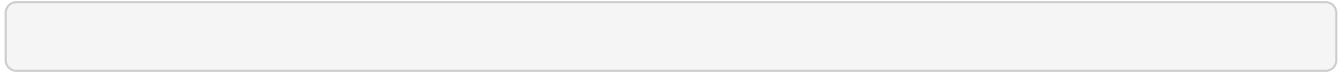
COLORGold



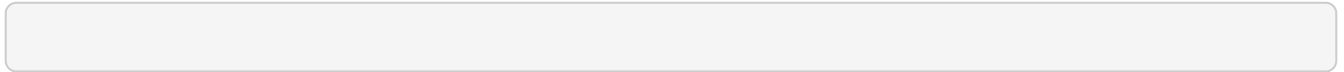
COLORGray



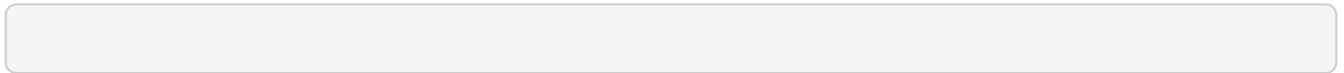
SHAPEBox3D

A light gray rectangular box with rounded corners, representing a 3D box shape.

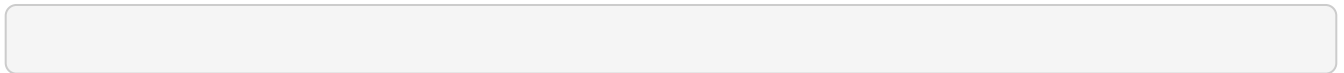
SHAPEFolder

A light gray rectangular box with rounded corners, representing a folder shape.

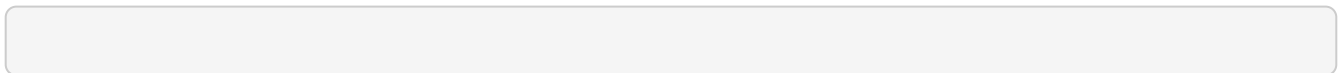
SHAPETab

A light gray rectangular box with rounded corners, representing a tab shape.

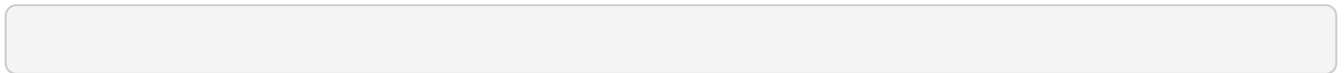
SHAPEPipeline

A light gray rectangular box with rounded corners, representing a pipeline shape.

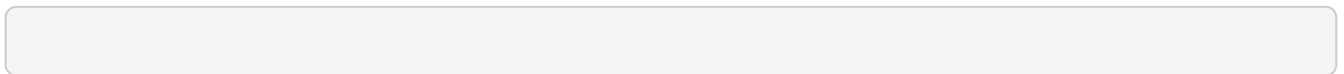
SHAPERecord

A light gray rectangular box with rounded corners, representing a record shape.

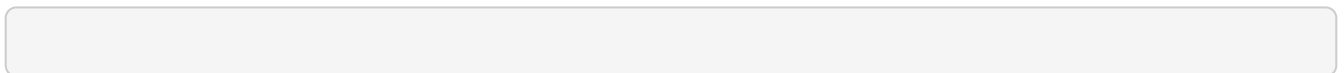
SHAPEComponent

A light gray rectangular box with rounded corners, representing a component shape.

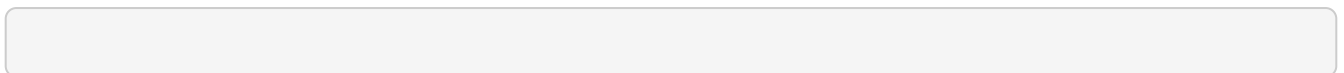
SHAPEAction

A light gray rectangular box with rounded corners, representing an action shape.

StyleSolid

A light gray rectangular box with rounded corners, representing a solid style.

StyleDashed

A light gray rectangular box with rounded corners, representing a dashed style.

StyleDotted

A light gray rectangular box with rounded corners, representing a dotted style.



StyleFilled



StyleRounded



StyleBold



LAYOUTDefault



LAYOUTNeato



LAYOUTLine



LAYOUTFdp



LAYOUTTwopi



LAYOUTPatchwork



LAYOUTCirco

ExportSVG

ExportPNG

ExportJPG

ExportDot

CFLAG

Package

**github.com/vortex14/gotlyphoon/extensions/
models/progress-file**

Imports

```
import (  
    "fmt"  
    "github.com/vortex14/gotlyphoon/elements/models/bar"  
    "github.com/vortex14/gotlyphoon/elements/models/file"  
    "github.com/vortex14/gotlyphoon/log"  
)
```

Structs

File

```
type File struct {  
}
```

Receivers

Read

```
func (f *File) Read(p []byte) (int, error)
```

Functions