

# Webservice: Basic



## Integration med Skyhost (SOAP)

Skyhost tilbyder integration for dem der kunne ønske dette. Interfacet er gratis når du er Skyhost kunde.

Interfacet udvides hele tiden med nye funktioner efter ønsker og behov.

### Services

Funktionerne er opdelt i services med hver deres funktionssæt. De fleste funktioner er kun til at hente data ud fra systemet.

Denne service indeholder: Basale funktioner til at hente og skrive data til Skyhost systemet.

<https://www.skyhost.dk/soap/basic.svc>

### Begrænsning

Du skal tænke over hvordan du henter data. Altså hvis du henter hele kundelisten eller kørsler for sidste uge, så behøves det nok ikke gøres hvert minut.

Hvis du har overforbrug på interfacet kan du blive lukket ude i op til 5 minutter.

Begrænsningen fungerer efter et point system.

- Maks. 100 point / sekund
- Maks. 1000 point / minut

Funktionerne er vægtet efter hvor tunge de er for systemet. Point vist her er vejledende og kan ændres løbende.

### ApiKey

Denne fås af jeres administrator der har adgang til Skyhost WebPortal under Opsætning->Konto->Integration.

### Tidsstempler og tider

Alle tider der returneres og tider i parametre er angivet i UTC+0 (London tid uden sommertidsangivelse).

### Fejlhåndtering

Hvis en funktion fejler vil der smides en Exception. I denne vil stå årsag, som oftest skyldes fejl i input parameter.

### Funktioner

I dette interface er disse funktioner udstillet. Der startes altid med Login. Login kræver API key som du får fra WebPortalen under Opsætning -> Konto -> Integration.

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## 1. Login

Nr.	Returns	Funktion	Parameters	Point
1	-	LoginWithApiKey	Apikey (string)	0

## 2. Account

Nr.	Returns	Funktion	Parameters	Point
1	List<DTUser>	Account_GetAllUsers	-	100
2	DTUser	Account_GetUser	UserID (long)	20
3	DTUserRights	Account_GetUserRights	UserID (long)	20
	-	Account_SetUserRights	UserID (long) Module (object) UserLevel (object)	50
	UserID (long)	Account_AddUser	DTUser	100
	-	Account_BlockUser	UserID (long)	20
	-	Account_UnblockUser	UserID (long)	20
4	DTTracker	Account_GetTrackerByDriver	UserID (long)	20
5	List<DTDepartment>	Account_GetDepartments	-	100
6	DepartmentID (long)	Account_AddDepartment	DTDepartment	20
7	-	Account_DeleteDepartment	DepartmentID (long)	20
8	List<DTStock>	Account_GetStocks	DepartmentID (long)	20
9	-	Account_AddStock	DepartmentID (long) DTStock	20
10	-	Account_DeleteStock	StockID(long)	20

## 3. Tracker

Nr.	Returns	Funktion	Parameters	Point
1	List<DTTracker>	Tracker_GetAllTrackers	-	100
2	DTTracker	Tracker_GetTracker	TrackerID (long)	20
3	-	Tracker_RemoveDrivers	TrackerID (long)	20
4	-	Tracker_AddDriver	TrackerID (long) UserID (long)	20
5	List<DTUser>	Tracker_GetDrivers	TrackerID (long)	20
6	DTGpsPosition	Tracker_GetLastKnownPosition	TrackerID (long)	20
7	List<DTMileageLog>	Tracker_GetMilageLog	TrackerID (long) Begin (datetime) End (datetime)	100
8	-	Tracker_SetOutput	TrackerID (long) DTOutput (object)	50
9	List<DTOutput>	Tracker_GetOutput	TrackerID (long)	20
10	List<DTGpsPosition>	Tracker_GetMilagePositions	MilageLogID (long)	100
11	DTInput	Tracker_GetInput	TrackerID (long)	20

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12	-	Tracker_SetRouteNature	RouteID (long) Nature (enum)	20
13	-	Tracker_SetRouteComment	RouteID (long) Comment (string)	20
14	-	Tracker_SetRouteStatus	RouteID (long) Approved (bool)	20
15	DTMileageLog	Tracker_GetRoute	RouteID (long)	20

## 4. Jobs

Nr.	Returns	Funktion	Parameters	Point
1	JobID (long)	Jobs_AddJob	DTJob (object)	100
2	ContactID (long)	Jobs_AddJobContact	DTContact (object)	20
3	JobLocationID (long)	Jobs_AddJobLocation	DTJobLocation (object)	20
4	List<DTJob>	Jobs_GetAllJobs	-	100
5	DTJob	Jobs_GetJob	JobID (long)	20
6	List<DTJob>	Jobs_GetUserJobs	UserID (long)	20
7	List<DTJob>	Jobs_GetVDJobs	-	100
8	DTCase	Jobs_GetCase	CaseID (long)	20
9	List<DTCase>	Jobs_GetCases	-	100
10	List<DTJob>	Jobs_GetCaseJobs	CaseID (long)	50
11	-	Jobs_SetJobTitle	JobID (long) Title (string)	20
12	-	Jobs_SetJobDescription	JobID (long) Description (string)	20
13	-	Jobs_SetJobPriority	JobID (long) Priority (enum)	20
14	-	Jobs_SetJobBeginDate	JobID (long) Begin (datetime)	20
15	-	Jobs_SetJobEndDate	JobID (long) End (datetime)	20
16	-	Jobs_SetJobStatus	JobID (long) Status (enum)	20
17	-	Jobs_PunchOutUser	UserID (long)	20
18	-	Jobs_PunchInUser	JobID (long) UserID (long)	20
19	-	Jobs_AddJobReceiver	JobID (long) UserID (long)	20
20	-	Jobs_RemoveJobReceiver	JobID (long) UserID (long)	20
21	-	Jobs_SetJobResponsible	JobID (long) UserID (long)	20
22	-	Jobs_SetJobType	JobID (long) JobTypeID (long)	20
23	List<DTJobType>	Jobs_GetJobTypes	-	50

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## 5. Tools

Nr.	Returns	Funktion	Parameters	Point
1	ToolID (long)	Tools_AddTool	DTTool (object)	100
2	ModelID (long)	Tools_AddModel	DTModel (object)	20
3	-	Tools_AddBeacon	ToolID (long) BeaconID (long)	20
4	-	Tools_AddBarcode	ToolID (long) Barcode (string)	20
5	-	Tools_AddFile	ToolID (long) DTFile (object)	20
6	List<DTToolCategory>	Tools_GetCategories	-	20
7	List<DTToolOwner>	Tools_GetOwners	-	
8	List<DTTool>	Tools_GetTools	-	100
9	DTTool	Tools_GetToolByID	ToolID (long)	20
10	DTTool	Tools_GetToolByBarcode	Barcode (string)	20
11	List<DTTool>	Tools_GetUserTools	UserID (long)	100
12	List<DTTool>	Tools_GetOwnerTools	OwnerID (long)	50
13	List<DTTool>	Tools_GetCategoryTools	CategoryID (long)	20
14	List<DTToolService>	Tools_GetServiceIntervals	-	20
15	-	Tools_RemoveTool	ToolID (long)	20
16	-	Tools_RemoveBarcode	ToolID (long) Barcode (string)	20
17	-	Tools_RemoveBeacon	ToolID (long) BeaconID (long)	20
	-	Tools_RemoveFile	ToolID (long) FileID (long)	20
18	-	Tools_SetCategory	ToolID (long) CategoryID (long)	20
19	-	Tools_SetOwner	ToolID (long) OwnerID (long)	20
20	-	Tools_SetRating	ToolID (long) Rating (enum)	20
21	-	Tools_SetServiceInterval	ToolID (long) ServiceID (long)	20
22	-	Tools_SetServiceNext	ToolID (long) Timestamp (datetime)	20
23	List<DTToolUsage>	Tools_GetUsage	Begin (datetime) End (datetime)	100

## 6. Beacons

Nr.	Returns	Funktion	Parameters	Point
1	List<DTBeacon>	Beacons_GetBeacons	-	100
2	DTBeacon	Beacons_GetBeacon	BeaconID (long)	20

## 7. Geotag

Nr.	Returns	Funktion	Parameters	Point
1	DTGeotag	Geotag_GetGeotag	GeotagID (long)	20
2	List<DTGeotagCustomField>	Geotag_GetCategoryCustomfields	CategoryID (long)	20
3	List<DTGeotag>	Geotag_GetGeotagInCategory	CategoryID (long)	100
4	List<DTGeotagCategory>	Geotag_GetCategories	-	50
5	CategoryID (long)	Geotag_AddCategory	Category (object)	50
6	GeotagID (long)	Geotag_AddGeotag	Geotag (object)	50
7	CustomfieldID (long)	Geotag_AddCustomField	Customfield (object)	20
8	-	Geotag_DeleteGeotag	GeotagID (long)	20

### Kode eksempel

Vi kan tilbyde et kode eksempel til at komme i gang. Eksemplet tager udgangspunkt i Visual Studio 2015.