DocuS4Labour WebAPI Extensions

The S4Labour WebAPI needs to be changed to accommodate a new type of consumer that will able to alter and add data directly to our database. This new API access role will have exclusive access to a new method to create new starters.

There will also be new support methods, accessible by all consumers, that list the key values for reference tables used in the employee creation process.

As normal, the user must log in to the API to acquire a "sessionID", which must then be included in all subsequent method calls.

This "session" will expire after five minutes, and restricts information requests to 20 in a minute.

Controllers and new methods

New Starters

```
This is a single web method that allow for the creation of a new employee record in
S4 Labour.
```

Update (HttpPost)

```
https://api.s4labour.com/api/NewStarter/Update/
```

This accepts a HTTP Post request.

Only accounts with the update role will have access to this method.

The content of this request must contain a JSON string.

Property	Data type	Validation
sessionID	String	**Mandatory**
SiteID	int	**Mandatory**
Title	int	Conditional
Forename	string	**Mandatory**
Initial	string	*Optional*
Surname	string	**Mandatory**
KnownAs	string	Conditional
DateOfBirth	string	**Mandatory**
EmployeeNumber	string	Conditional
NINumber	string	Conditional
Gender	int	**Mandatory**

MaritalStatus	int	**Mandatory**
EmailAddress	string	Conditional
PhoneNumber	string	*Optional*
MobileNumber	string	*Optional*
Nationality	int	Conditional
Address1	string	*Optional*
Address2	string	*Optional*
Address3	string	*Optional*
Address4	string	*Optional*
Postcode	string	*Optional*
Country	string	*Optional*
Information	string	*Optional*
StartDate	string	**Mandatory**
ContractedHours	decimal	*Optional*
ContractedDays	decimal	*Optional*
ContractedHolidays	decimal	*Optional*
Bank	string	Conditional
BuildingSocietyNo	string	Conditional
AccountName	string	Conditional
AccountNumber	string	Conditional
SortCode	string	Conditional
ICEContact	string	Conditional
ICERelationship	string	Conditional
ICEPhoneNumber	string	Conditional
Position	int	**Mandatory**
PayType	int	**Mandatory**
PayRate	decimal	**Mandatory**
Overtime	int	*Optional*

Some fields are conditionally mandatory based on the values specified in the Additional Features of the Organisation.

Special Processing

Property	Validation
EmployeeNumber	If "Auto Generate Employee Number" is checked, then an exception will be thrown if a value is specified. This field is mandatory if the "Employee Number is Required" option is checked.
KnownAs	This field is mandatory if the "Known as is Required" option is checked.
NINumber	This field is mandatory if the "NI Number as is Required" option is checked.
Nationality	This field is mandatory if the "Nationality is Required" option is checked.
EmailAddress	This field is mandatory if the "Email Address is Required" option is checked.
ICEPhoneNumber	This field is mandatory if the "Emergency Contact Number is Required" option is checked.
ICEContact	This field is mandatory if the "EmergencyContactName is Required" option is checked.
ICERelationship	This field is mandatory if the "Relationship is Required" option is checked.

Title	This field is mandatory if the "Title is Required" option is checked. If a value is specified, it must be a valid option from the Titles reference method.
AccountName	This field is mandatory if the "Account Name is Required" option is checked.
AccountNumber	This field is mandatory if the "Account Number is Required" option is checked.
SortCode	This field is mandatory if the "Sort Code is Required" option is checked.
BuildingSocietyNo	This field is mandatory if the "Building Society Roll Number is Required" option is checked.
Gender	This is always a mandatory field. The value specified must be a valid option from the Genders reference method.
MaritialStatus	This is always a mandatory field. The value specified must be a valid option from the Marital Status reference method.
ContractedHours	This is an optional field. For salaried pay types (Salary, Weekly, Daily) this will default to 48 if no value is provided. Otherwise, this will default to 0 (zero) if no value is provided.
ContractedDays	This is an optional field. For salaried pay types (Salary, Weekly, Daily) this will default to 5 if no value is provided. Otherwise, this will default to 0 (zero) if no value is provided.
ContractedHolidays	This is an optional field. This will default to 28 if no value is provided.
Overtime	This is an optional field. Overtime can either be true (1) or false (0) and is only supported for the "Weekly" paytype.

Some employee details have special validation, or requirements, based on the site:

Property	Validation
Position	This must be a valid [positions].[PositionId], where the physicalsiteid is suitable for the "SiteID" specified (see the Positions reference method for a suitable list).
PayType	This must be a valid pay type for the site specified (see the Pay Types reference method for a suitable list).
PayRate	This rate of pay must satisfy the NMW requirements for the Start Date specified.

For example:

{"sessionID":"Z2mlbm5AxXdlssR7LmNvbTi0NDg5MTE=","SiteID":11,"Title":1,"Forename":"Test","Initial":"T","Surname":"Tester II","KnownAs":"Testy","DateOfBirth":"2017-12-19","EmployeeNumber":"emptest1","NINumber":"123456","Gender":3,"MaritalStatus":3,"EmailAddress":"testy@test2012.com","PhoneNumber":"(0123)4567890","MobileNumber":"","Nationality":3,"Address1":"123 Test Road","Address2":"Test Street","Address3":"Test Town","Address4":"Test

City","Postcode":"T123ST","Country":"UK","Information":"Info","StartDate":"
2017-12-18","ContractedHours":48.0,"ContractedDays":5.0,
"ContractedHolidays":28.0,"Bank":"Bank","BuildingSocietyNo":"","AccountName
":"Test T Tester","AccountNumber":"12345678","SortCode":"123457",
"ICEContact":"Contact Name","ICERelationship":"Relationship",
"ICEPhoneNumber":"(0123)4567890","Position":320,"PayType":1,"PayRate":9.0}

Response codes

Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
201	Created	Employee record successfully created on S4
400	Bad Request	A validation error occurred. The HTTP Request will contain a JSON response detailing the nature of the error

Employee Details

This will have the following methods:

Index (HttpGet)

```
https://api.s4labour.com/api/Employees/Index/[SiteID]/[sessionID]
```

For example:

```
https://api.s4labour.com/api/Employees/Index/12/Z2xlbm5AcXdlssR5LmNvbTo0NDg5MDE=
```

The "sessionID" token should be replaced with the value returned for your account during log in.

Any WebAPI account will have access to this method.

It will return only the latest information for an Employee (data suitable for this moment) for the site specified. Any data, such as rate of pay changes or contractual terms alterations that are scheduled for a future date will be ignored.

This method also assumes that an employee only has one role and one rate of pay; in circumstances where there is more than one rate the position and rate for the main role will be returned and all other roles/rates will be ignored.

The result returned will be a JSON construct containing an array of the following values:

Property	Data type
SiteID	int
Title	int
Forename	string
Initial	string
Surname	string
KnownAs	string
DateOfBirth	string
EmployeeNumber	string
NINumber	string
Gender	int

MaritalStatus	int
EmailAddress	string
PhoneNumber	string
MobileNumber	string
Nationality	int
Address1	string
Address2	string
Address3	string
Address4	string
Postcode	string
Country	string
Information	string
StartDate	string
ContractedHours	decimal
ContractedDays	decimal
ContractedHolidays	decimal
Bank	string
BuildingSocietyNo	string
AccountName	string
AccountNumber	string
SortCode	string
ICEContact	string
ICERelationship	string
ICEPhoneNumber	string
Position	int
PayType	int
PayRate	decimal
AdditionalField1	string
AdditionalField2	string
AdditionalField3	string
AdditionalField4	string

Read (HttpGet)

`https://api.s4labour.com/api/Employees/Read/[EmployeeID]/[sessionID]`

For example:

`https://api.s4labour.com/api/Employees/Read/1576/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=`

The "sessionID" token should be replaced with the value returned for your account during log in.

Only accounts with the update role will have access to this method.

The result returned will be a JSON construct containing the following values:

Property	Data type
EmployeeID	Int
sessionID	String
Title	Int
Forename	String

Initial	String
Surname	String
KnownAs	String
DateOfBirth	String
EmployeeNumber	String
NINumber	String
Gender	Int
MaritalStatus	Int
EmailAddress	String
PhoneNumber	String
MobileNumber	String
Nationality	Int
Address1	String
Address2	String
Address3	String
Address4	String
Postcode	String
Country	String
Information	String
Bank	String
BuildingSocietyNo	String
AccountName	String
AccountNumber	string
SortCode	string
ICEContact	string
ICERelationship	string
ICEPhoneNumber	string
AdditionalField1	string
AdditionalField2	string
AdditionalField3	string
AdditionalField4	string

Update (HttpPost)

https://api.s4labour.com/api/Employees/Update/

Only accounts with the update role will have access to this method.

The content of this request must contain a JSON string.

Property	Data type	Validation
EmployeeID	Int	Mandatory
sessionID	String	Mandatory
Title	Int	Conditional
Forename	String	Mandatory
Initial	String	
Surname	String	Mandatory
KnownAs	String	Conditional
DateOfBirth	String	Mandatory

EmployeeNumber	String	Conditional
NINumber	String	Conditional
Gender	Int	Mandatory
MaritalStatus	Int	Mandatory
EmailAddress	String	Conditional
PhoneNumber	String	*Optional*
MobileNumber	String	*Optional*
Nationality	Int	Nationality
Address1	String	*Optional*
Address2	String	*Optional*
Address3	String	*Optional*
Address4	String	*Optional*
Postcode	String	*Optional*
Country	String	*Optional*
Information	String	*Optional*
Bank	String	Conditional
BuildingSocietyNo	String	Conditional
AccountName	String	Conditional
AccountNumber	string	Conditional
SortCode	string	Conditional
ICEContact	string	Conditional
ICERelationship	string	Conditional
ICEPhoneNumber	string	Conditional
AdditionalField1	string	*Optional*
AdditionalField2	string	*Optional*
AdditionalField3	string	*Optional*
AdditionalField4	string	*Optional*

Some fields are conditionally mandatory based on the values specified in the Additional Features of the Organisation.

Special Processing

Property	Validation
EmployeeNumber	If "Auto Generate Employee Number" is checked, then an exception will be thrown if a value is specified. This field is mandatory if the "Employee Number is Required" option is checked.
KnownAs	This field is mandatory if the "Known as is Required" option is checked.
NINumber	This field is mandatory if the "NI Number as is Required" option is checked.
Nationality	This field is mandatory if the "Nationality is Required" option is checked.
EmailAddress	This field is mandatory if the "Email Address is Required" option is checked.
ICEPhoneNumber	This field is mandatory if the "Emergency Contact Number is Required" option is checked.
ICEContact	This field is mandatory if the "EmergencyContactName is Required" option is checked.
ICERelationship	This field is mandatory if the "Relationship is Required" option is checked.
Title	This field is mandatory if the "Title is Required" option is checked.

	If a value is specified, it must be a valid option from the TitlesController.
AccountName	This field is mandatory if the "Account Name is Required" option is checked.
AccountNumber	This field is mandatory if the "Account Number is Required" option is checked.
SortCode	This field is mandatory if the "Sort Code is Required" option is checked.
BuildingSocietyNo	This field is mandatory if the "Building Society Roll Number is Required" option is checked.
Gender	This is always a mandatory field. The value specified must be a valid option from the GendersController.
MaritialStatus	This is always a mandatory field. The value specified must be a valid option from the MaritalStatusController.

For example:

```
{ "sessionID": " Z2mlbm5AxXdlssR7LmNvbTi0NDg5MTE=", "SiteID": 11, "Title": 1,
"Forename": "Test", "Initial": "T", "Surname": "Tester II", "KnownAs": "Testy",
  "DateOfBirth": "2017-12-19", "EmployeeNumber": "emptest1", "NINumber": "123456",
  "Gender": 3, "MaritalStatus": 3, "EmailAddress": "testy@test2012.com",
"PhoneNumber": "(0123)4567890", "MobileNumber": "", "Nationality": 3, "Address1":
"123 Test Road", "Address2": "Test Street", "Address3": "Test Town", "Address4":
"Test City", "Postcode": "T123ST", "Country": "UK", "Information": "Info", "Bank":
"Bank", "BuildingSocietyNo": "", "AccountName": "Test T Tester", "AccountNumber":
"12345678", "SortCode": "123457", "ICEContact": "Contact Name", "ICERelationship":
"Relationship", "ICEPhoneNumber": "(0123)4567890", "AdditionalField1": "",
"AdditionalField2": "", "AdditionalField3": "", "AdditionalField4": "" }
```

Find (HttpGet)

The employee controller also offers the ability to search for an employee id using unique key fields.

```
https://api.s4labour.com/api/Employees/Find
```

This accepts a HTTP Get request.

All accounts will have access to this method.

The content of this request must contain

Property	Data type	Validation
sessionID	String	**Mandatory**
organisationId	Int	**Mandatory**
forename	String	Conditional
surname	String	Conditional
dateOfBirth	String	Conditional
niNumber	String	Conditional

The WebAPI has all search criteria are conditional, and can be left blank. However, there are the following rules for how they will be used in processing.

To support optional fields, they must be passed using standard HTTP query string formatting. For example:

```
https://api.s4labour.com/api/Employees/Find?organisationId=1&forename=richard&surna
me=Nixon&dateofBirth=1913-04-22&niNumber= QQ123456C&sessionID=
Z2mlbm5AxXdlssR7LmNvbTi0NDg5MTE=
```

Processing Rules

The parameters will be used in order of precedence:

organisationId, niNumber	This will be evaluated first. If an NI number is specified, and an exact match can be found, then a result will be returned for the stated organisation and all other criteria specified will be ignored.
organisationId, dateOfBirth, forename and surname	If no NI number is specified, or the specified NI number cannot be found, then these criteria will be used. These fields then become effectively mandatory, and require an **exact** match for all three parameters.

The organisationId must be a valid number from the Organisations/Read method (see the refence methods section below).

If this method cannot find any employees that satisfy the processing rules above, an error will be thrown.

If this method finds more than one employees that satisfy the processing rules above, an error will be thrown.

Response codes

Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
200	OK	The HTTP response will contain a JSON object containing the employeeid and the other associated information (see response below).
400	Bad Request	A validation error occurred. The HTTP response will contain a JSON object detailing the nature of the error.

A successful request will return a JSON object in the following format:

```
{"EmployeeId":11999,"Forename":"Richard","Surname":"Nixon","DateOfBirth":"1913-04-22","NINumber":"QQ123456C "}
```

Documents

This method allows for the upload of a document to S4.

```
https://api.s4labour.com/api/Documents/Update/
```

This accepts a HTTP Post request.

Only accounts with the update role will have access to this method.

The content of this request must contain

Property	Data type	Validation
sessionID	String	**Mandatory**
EmployeeID	Int	**Mandatory**
DocumentTypeID	Int	**Mandatory**
EmployeeFile	File	**Mandatory**

Response codes

Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
201	Created	Employee record successfully created on S4
304	NotModified	Any unhandled error
400	Bad Request	A validation error occurred. The HTTP Request will contain a JSON response detailing the nature of the error
401	Unauthorized	The user not authorized to use the interface or the data

Activate Employee

This method allows for the activation of employees.

`https://api.s4labour.com/api/Employees/Activate/`

This accepts a HTTP Post request.

Only accounts with the update role will have access to this method.

The content of this request must contain

Property	Data type	Validation	
sessionID	String	**Mandatory**	
EmployeeID	Int	**Mandatory**	
PayrollNo	String	**Mandatory**	

This method will try to find an employee with the stated S4 EmployeeID key field.

If the employee can be found, in a site to which the current user has access, they will be marked as activated and their payroll number updated.

Response codes
Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
201	Created	Employee successfully activated on S4
304	NotModified	Any unhandled error
400	Bad Request	A validation error occurred. The HTTP Request will contain a JSON response detailing the nature of the error
401	Unauthorized	The user not authorized to use the interface or the data

UpdatePrimaryRateAndRole (HttpPost)

`https://api.s4labour.com/api/Employees/UpdateRateAndRole/`

This accepts a HTTP Post request.

Only accounts with the update role will have access to this method.

The content of this request must contain a JSON string.

Property	Data type	Validation
sessionID	string	**Mandatory**
EmployeeID	int	**Mandatory**
PayDate	string	**Mandatory**

EndDate	string	Conditional
PayRate	decimal	**Mandatory**
PayType	int	**Mandatory**
Position	int	**Mandatory**
TroncPoints	int	**Mandatory**
UpperRate	decimal	**Mandatory**
IsTemporary	bool	**Mandatory**
LiveIn	bool	**Mandatory**
Overtime	bool	**Mandatory**

Mandatory fields are required.

Optional fields can be passed as an empty string.

Special Processing

Property	Validation
EmployeeID	This must be an EmployeeID of an employee that is not deleted.
PayDate	This is the data from which the pay rate change will take effect. It is expected as a string in the following format "yyyy-MM-dd", for example the 15th February 2018 would be "2018-02-15". This should be the start of a financial week. If a date is provided that is not the first day of a financial week, the date will be automatically amended to the be start of the week containing the date provided.
EndDate	This is mandatory for temporary staff. Otherwise, this field should be passed as an empty string. Temporary staff is an optional setting specified for an organisation. An error will be returned if an end date is specified where the IsTemporary parameter is False.
PayRate	This rate of pay must satisfy the NMW requirements for the Start Date specified.
PayType	This must be a valid pay type for the site specified (see the Pay Types reference method for a suitable list).
Position	This must be a valid [positions].[PositionId], where the physicalsiteid is suitable for the "SiteID" specified (see the Positions reference method for a suitable list).
TroncPoints	This is any positive integer. Tronc Points are only used if your organisation utilise a TRONC scheme. If not needed, a value of zero should be passed. Otherwise, this must be a positive integer.
UpperRate	This field is mandatory of organisations using enhanced pay rules. If your organisation does not use enhanced pay rules, this should be passed as zero. If passed, this should be a decimal representing the upper pay rate for a role. The upper pay rate must be a decimal value greater than the normal pay rate.
IsTemporary	This is a mandatory field. This is a Boolean field. It should be passed as "True" or "False".

	IsTemporary indicates whether or not the role is temporary. It can only be true for hourly pay types, and only for organisations using temporary pay types.
LiveIn	This is a mandatory field. This is a Boolean field. It should be passed as "True" or "False". LiveIn indicates if the role is to be considered residential; in such circumstances the national minimum wage checks are disregarded when validating the pay rate.
Overtime	This is a Boolean field. It should be passed as "True" or "False". This can only be set for weekly paid roles.

For example:

```
{"sessionID":"Z2xlbm5AcXdlzzR5LmNvbTo3NTcw","EmployeeID":953673,"PayDate":"
2018-03-
05","Position":728,"PayType":3,"PayRate":100.0,"EndDate":"\"\"","UpperRate"
:0.0,"TroncPoints":0,"LiveIn":false,"Overtime":false,"IsTemporary":false}
```

Response codes

Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
201	Created	Employee record successfully created on S4
400	Bad Request	A validation error occurred. The HTTP Request will contain a JSON response detailing the nature of the error

UpdateContractualTerms (HttpPost)

`https://api.s4labour.com/api/Employees/UpdateContractualTerms/`

This accepts a HTTP Post request.

Only accounts with the update role will have access to this method.

The content of this request must contain a JSON string.

Property	Data type	Validation
sessionID	string	**Mandatory**
EmployeeID	int	**Mandatory**
FromDate	string	**Mandatory**
HoursInWeek	int	**Mandatory**
DaysInWeek	int	**Mandatory**
AnnualHoliday	int	**Mandatory**

Mandatory fields are required.

Special Processing

Property	Validation
EmployeeID	This must be an EmployeeID of an employee that is not deleted.
FromDate	This is the date from which the contract term will take effect. It is expected as a string in the following format "yyyy-MM-dd", for example the 15th February 2018 would be "2018-02-15". This should be the start of a financial week. If a date is provided that is not the first day of a financial week, the date will be automatically amended to the be start of the week containing the date provided.
HoursInWeek	This is mandatory. This can be any integer between zero and 168
DaysInWeek	This is mandatory. This can be any integer between zero and 7.
AnnualHoliday	This is mandatory. This can be any integer between zero and 365.

For example:

```
{"sessionID":"Z2xlbm5AcXdlzzR5LmNvbToyNzQ1Nzc=","EmployeeID":9115361,"FromD
ate":"2018-02-05","HoursInWeek":48,"DaysInWeek":5,"AnnualHoliday":28}
```

Response codes

Once the query is complete a response code will be returned depending on the outcome of the process.

Status Code	Message	Result
201	Created	Employee record successfully created on S4
400	Bad Request	A validation error occurred. The HTTP Request will contain a JSON response detailing the nature of the error

Reference methods

This WebAPI methods are needed to provide the necessary lookup tables for correct data input in the editable methods above.

Nationalities

This is called using the following URL:

`https://api.s4labour.com/api/Nationalities/Read/[sessionID]`

For example:

`https://api.s4labour.com/api/Nationalities/Read/Z2mlbm5AxXdlcnR7LmNvbTi0NDg5MTE=`

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string
Region	int

Genders

Has the following methods:

`https://api.s4labour.com/api/Genders/Read/[sessionID]`

For example:

`https://api.s4labour.com/api/Genders/Read/Z2mlbm5AxXdlcnR7LmNvbTi0NDg5MTE=`

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

Marital Status

Has the following methods:

`https://api.s4labour.com/api/MaritalStatus/Read/[sessionID]`

For example:

https://api.s4labour.com/api/MaritalStatus/Read/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

Site Level Positions

Has the following methods:

`https://api.s4labour.com/api/Positions/Read/[siteID]/[sessionID]`

For example:

https://api.s4labour.com/api/Positions/Read/11/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=

The "siteID" parameter should be replaced with the key value of a site (see the "Sites" lookup method). This site must already be associated with the user account used to log in to the system.

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	String
OrgPosID	int

Returns a list of all currently valid positions (not deleted and not deprecated) for the site specified.

Organisation Level Positions

Has the following methods:

`https://api.s4labour.com/api/OrganisationPositions/Read/[organisationID]/[sessionID]`

For example:

https://api.s4labour.com/api/OrganisationPositions/Read/4/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=

The "organisationID" parameter should be replaced with the key value of the organisation (see the "Organisations" lookup method). This organisation must already be associated with the user account used to log in to the system.

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	String

Returns a list of all currently valid positions (not deleted and not deprecated) for the organisation specified.

In S4, the positions are recorded at site level; but for reporting purposes they are linked to an "organisation position". This allows us to report universally across an entire organisation for a position (i.e. "Head Chef") even though this position may be called something different at site level (i.e. "Chef").

Pay Types

Has the following methods:

```
https://api.s4labour.com/api/PayTypes/Read/[siteID]/[sessionID]
```

For example:

```
https://api.s4labour.com/api/PayTypes/Read/11/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=
```

The "siteID" parameter should be replaced with the key value of the site (see the "Sites" lookup method). This site must already be associated with the user account used to log in to the system.

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

Returns a list of paytypes currently available for the site specified, which are not deleted or deprecated.

Titles

Has the following methods:

```
https://api.s4labour.com/api/Titles/Read/[sessionID]
```

For example:

```
https://api.s4labour.com/api/Titles/Read/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=
```

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

Organisations

Has the following methods:

```
https://api.s4labour.com/api/Organisations/Read/[sessionID]
```

For example:

```
https://api.s4labour.com/api/Organisations/Read/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=
```

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

This returns a list of all organisations available to the user currently logged in to the API.

Sites

Has the following methods:

```
https://api.s4labour.com/api/Sites/Read/[organisationID]/[sessionID]
```

For example:

```
https://api.s4labour.com/api/Sites/Read/4/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=
```

The "organisationID" parameter should be replaced with the key value of the organisation (see the "Organisations" lookup method). This organisation must already be associated with the user account used to log in to the system.

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string

Returns a list of sites currently available for the organisation specified, which are not deleted or deprecated.

Document Types

Has the following methods:

```
https://api.s4labour.com/api/DocumentTypes/Read/[sessionID]
```

For example:

```
https://api.s4labour.com/api/DocumentTypes/Read/Z2xlbm5AcXdlcnR5LmNvbTo0NDg5MDE=
```

The "sessionID" token should be replaced with the value returned for your account during log in.

Access to methods in this controller is granted to all API users.

The result returned will be a JSON construct containing the following values:

Property	Data type
ID	int
Name	string