



How to: Create a BDAS Service

This document details information on provisioning a data service.

30 June 2010

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1 How To Provision a Business Data Access Solutions (BDAS) service

This document details the LinxOnline Interaction Gateway (LOLIG) web service calls to create, modify, cancel, relocate, and convert a BDAS Standard service. The scenarios outlined are for simple cases and provide an overall view of the steps involved and the order in which they need to be carried out. This document in conjunction with the LOLIG product catalogue can be used as a guide for other BDAS work types.

1.1 State information

The scenario involves a single standalone web service transaction. This means there is no state information maintained in the web service calls.

1.2 Immediate vs delayed transactions

LOLIG allows two modes of transactions operations. They are immediate mode and delayed mode.

In *Immediate Mode*, LOLIG will process the request immediately and return the results and/or errors as soon as processing has been completed.

Alternately, in *Delayed Mode*, the Telstra Reference Number (Request Number) and Request Item Id(s) are returned after processing. Details of request processing can be subsequently obtained by querying the request using RequestService:enquire or RequestItemService:enhancedEnquire.

[This document describes *Immediate Mode* transactions.](#)

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1.3 Related Documents

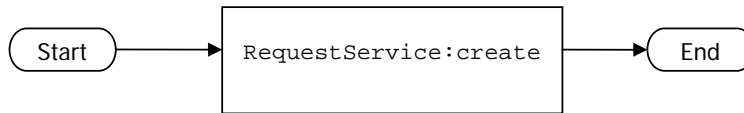
This How-To should be read in conjunction with the following documents:

- Business Rules – BDAS
- Product Catalogue

2 Web Service transaction flow

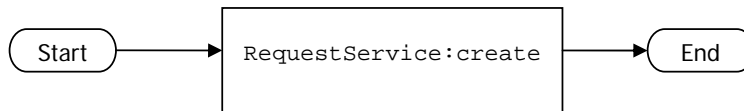
All actions for a BDAS service are done through a standalone LOLIG transaction – RequestService:Create for immediate mode, or RequestService:createDelayed for delayed mode.

Create a new BDAS Service



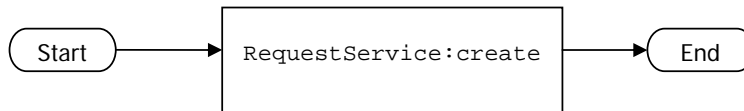
- Work types:
- New BDAS Standard
 - New BDAS Lite
 - New BDAS Enhanced
 - New BDAS Premium

Configure an existing BDAS Service



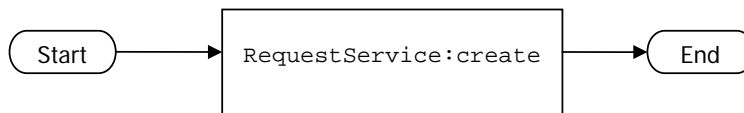
- Work types:
- Configure BDAS Lite/Standard
 - Configure BDAS Enhanced
 - Configure BDAS Premium

Cancel an existing BDAS Service



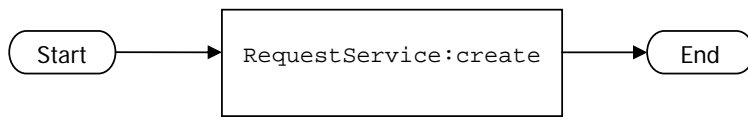
- Work type:
- Cancel BDAS Service

Relocate an existing BDAS Service



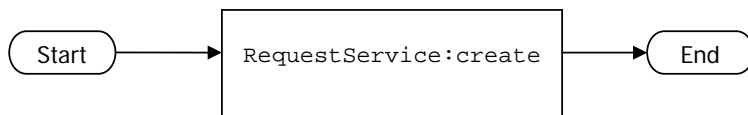
- Work type:
- Relocate BDAS

Relocate an existing BDAS Service



Work type: • Relocate BDAS

Convert an existing BDAS Service



Work type: • Convert BDAS

Note: In the XML Request the work type is specified in the <workTypeDescription> field. See Section 4 for a full description of the XML Request fields.

3 Descriptions & XML Examples

3.1 Create a new BDAS service.	
Web Service:	RequestService:Create
Description:	This web service is used to send work type based transactions to LOLIG. In this example we will use the work type <i>New BDAS Standard</i> to submit a request to TW to provision a new BDAS Standard service.
Example Request:	
TO GET: XML REQUEST EXAMPLE	
<pre><RCreateMultiStepRequest xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <request> <spReferenceNumber>1234</spReferenceNumber> <spContactName>Homer Simpson</spContactName> <spPhoneNumber>0399991111</spPhoneNumber> <projectID>123</projectID> <customerContactName>Marge Simpson</customerContactName> <customerPhoneNumber>0388638002</customerPhoneNumber> <mediumEntry>I</mediumEntry> </request> </RCreateMultiStepRequest></pre>	
Example Response:	
TO GET: XML RESPONSE EXAMPLE	
<pre><RCreateMultiStepResponse xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <telstraRef>12345679</telstraRef> <nextOperation>RequestService:cancelMultiStep</nextOperation> <nextOperation>RequestService:addRequestItem</nextOperation> </RCreateMultiStepResponse></pre>	

3.2 Configure an existing BDAS service.	
Web Service:	RequestService:Create
Description:	This web service is used to send work type based transactions to LOLIG. In this example we will use the work type <i>Configure BDAS Lite/Standard</i> to submit a request to TW to modify the configuration of an existing BDAS Standard service.
Example Request:	
TO GET: XML REQUEST EXAMPLE	
<pre><RCreateMultiStepRequest xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <request> <spReferenceNumber>1234</spReferenceNumber> <spContactName>Homer Simpson</spContactName> <spPhoneNumber>0399991111</spPhoneNumber> <projectID>123</projectID> <customerContactName>Marge Simpson</customerContactName> <customerPhoneNumber>0388638002</customerPhoneNumber> <mediumEntry>I</mediumEntry> </request> </RCreateMultiStepRequest></pre>	
Example Response:	
TO GET: XML RESPONSE EXAMPLE	
<pre><RCreateMultiStepResponse xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <telstraRef>12345679</telstraRef> <nextOperation>RequestService:cancelMultiStep</nextOperation> <nextOperation>RequestService:addRequestItem</nextOperation> </RCreateMultiStepResponse></pre>	

3.3 Cancel an existing BDAS service.	
Web Service:	RequestService:Create
Description:	This web service is used to send work type based transactions to LOLIG. In this example we will use the work type <i>Cancel BDAS Service</i> to submit a request to TW to cancel an existing BDAS Standard service.
Example Request:	
TO GET: XML REQUEST EXAMPLE	
<pre><RCreateMultiStepRequest xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <request> <spReferenceNumber>1234</spReferenceNumber> <spContactName>Homer Simpson</spContactName> <spPhoneNumber>0399991111</spPhoneNumber> <projectID>123</projectID> <customerContactName>Marge Simpson</customerContactName> <customerPhoneNumber>0388638002</customerPhoneNumber> <mediumEntry>I</mediumEntry> </request> </RCreateMultiStepRequest></pre>	
Example Response:	
TO GET: XML RESPONSE EXAMPLE	
<pre><RCreateMultiStepResponse xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <telstraRef>12345679</telstraRef> <nextOperation>RequestService:cancelMultiStep</nextOperation> <nextOperation>RequestService:addRequestItem</nextOperation> </RCreateMultiStepResponse></pre>	

3.4 Relocate an existing BDAS service.	
Web Service:	RequestService:Create
Description:	This web service is used to send work type based transactions to LOLIG. In this example we will use the work type <i>Relocate BDAS</i> to submit a request to TW to relocate an existing BDAS Standard service.
Example Request:	
TO GET: XML REQUEST EXAMPLE	
<pre><RCreateMultiStepRequest xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <request> <spReferenceNumber>1234</spReferenceNumber> <spContactName>Homer Simpson</spContactName> <spPhoneNumber>0399991111</spPhoneNumber> <projectID>123</projectID> <customerContactName>Marge Simpson</customerContactName> <customerPhoneNumber>0388638002</customerPhoneNumber> <mediumEntry>I</mediumEntry> </request> </RCreateMultiStepRequest></pre>	
Example Response:	
TO GET: XML RESPONSE EXAMPLE	
<pre><RCreateMultiStepResponse xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <telstraRef>12345679</telstraRef> <nextOperation>RequestService:cancelMultiStep</nextOperation> <nextOperation>RequestService:addRequestItem</nextOperation> </RCreateMultiStepResponse></pre>	

3.5 Convert an existing BDAS service.	
Web Service:	RequestService:Create
Description:	This web service is used to send work type based transactions to LOLIG. In this example we will use the work type <i>Convert BDAS</i> to submit a request to TW to change an existing BDAS Standard service to a BDAS Enhanced service.
Example Request:	
TO GET: XML REQUEST EXAMPLE	
<pre><RCreateMultiStepRequest xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <request> <spReferenceNumber>1234</spReferenceNumber> <spContactName>Homer Simpson</spContactName> <spPhoneNumber>0399991111</spPhoneNumber> <projectID>123</projectID> <customerContactName>Marge Simpson</customerContactName> <customerPhoneNumber>0388638002</customerPhoneNumber> <mediumEntry>I</mediumEntry> </request> </RCreateMultiStepRequest></pre>	
Example Response:	
TO GET: XML RESPONSE EXAMPLE	
<pre><RCreateMultiStepResponse xmlns="http://telstra.com/lolo2/b2b/parts/2004/10/10"> <telstraRef>12345679</telstraRef> <nextOperation>RequestService:cancelMultiStep</nextOperation> <nextOperation>RequestService:addRequestItem</nextOperation> </RCreateMultiStepResponse></pre>	

4 XML Request Parameter Definitions

The tables in this section show example structures for XML requests for various work types. This section does not include information pertaining to which fields are mandatory or optional, nor does it specify validation rules. This information is available in the business rules document, product catalogue document, and the LOLIG Build Guide. Please refer to these documents for the additional information.

The following conventions are used in the tables:

Text	Meaning
Black	Description of the field.
Black & Bold	Actual value to use in the field.
Blue	A choice of values to use in the field.

4.1 New BDAS Standard

The following table shows the XML Request for a new BDAS service. The example shows the fields required for the *New BDAS Standard* work type.

XML Field	Description or Value to use
<request>	
<spReferenceNumber>	Service Provider specific number, provided to allow SP to track the order with own keys. This is not used by Telstra.
<spContactName>	Name of a contact person from the Service Provider and not the SP or company name.
<spPhoneNumber>	The Service Provider contact phone number.
<ProjectID>	Identification number to link requests.
<customerContactName>	The end user's name.
<customerPhoneNumber>	The end user's contact phone number.
<Notes>	Provides the option to add information about the Request at a high level.
<requestItems>	
<siteDetail>	
<contactName>	The end user's name.
<contactPhoneNumber>	The end user's contact phone number.
<address>	Optional parameter for this webservice, but is required for this work type.
<customerName>	
<streetNumber>	
<streetName>	
<streetType>	
<Locality>	
<postcode>	
</address>	
</siteDetail>	
<workTypeDescription>	New BDAS Standard
<products>	
<name>	BDAS Service Term
<action>	Add
<settings>	
<name>	Service Term
<value>	1 year, 2 years, 3 years.

</settings>	
</products>	
<products>	
<name>	Service Requirements
<action>	Add
<settings>	
<name>	Customer Reference Number
<value>	
</settings>	
<settings>	
<name>	Site Service Number
<value>	
</settings>	
<settings>	
<name>	Bandwidth
<value>	.25 Mbps, .5 Mbps, 1 Mbps, 1.5 Mbps, 2 Mbps, 3 Mbps, 4 Mbps
</settings>	
<settings>	
<name>	A-End FNN (PVC Dest)
<value>	
</settings>	
<settings>	
<name>	A-End VPI.VCI
<value>	
</settings>	
<settings>	
<name>	Conversion Mode
<value>	BRE Mode, Bridged Mode
</settings>	
<settings>	
<name>	Duplex Mode
<value>	Auto Negotiate, Full Duplex, Half Duplex
</settings>	
<settings>	
<name>	Uni Bandwidth & Type
<value>	10 Mbps (10/100baseTX, 100m distance), 100 Mbps (10/100baseFX, 400m distance), 100 Mbps (10/100baseTX, 100m distance)
</settings>	
<settings>	
<name>	LAN Gateway IP Address
<value>	
</settings>	
<settings>	
<name>	WAN Gateway IP Address
<value>	
</settings>	
<settings>	
<name>	NetMask
<value>	
</settings>	
<settings>	
<name>	Service Assurance Level
<value>	Business Plus, Business Standard, Express 8 Plus
</settings>	
<settings>	
<name>	Fee for Service Allowed

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<value>	Yes, No
</settings>	
</products>	
<customerRequestedDate>	
<Date>	CRD may be subject to a mandatory lead-time
</customerRequestedDate>	
</requestItems>	
</request>	

4.2 Configure BDAS Premium

The following table shows the XML Request for configuring a BDAS service. The example shows the fields required for the *Configure BDAS Premium* work type.

XML Field	Description or Value to use
<request>	
<spReferenceNumber>	Service Provider specific number, provided to allow SP to track the order with own keys. This is not used by Telstra.
<spContactName>	Name of a contact person from the Service Provider and not the SP or company name.
<spPhoneNumber>	The Service Provider contact phone number.
<ProjectID>	Identification number to link requests.
<customerContactName>	The end user's name.
<customerPhoneNumber>	The end user's contact phone number.
<Notes>	Provides the option to add information about the Request at a high level.
<requestItems>	
<siteDetail>	
<contactName>	The end user's name.
<contactPhoneNumber>	The end user's contact phone number.
<address>	Optional parameter for this webservice, but is required for this work type.
<customerName>	
<streetNumber>	
<streetName>	
<streetType>	
<Locality>	
<postcode>	
</address>	
</siteDetail>	
<workTypeDescription>	Configure BDAS Premium
<products>	
<name>	Modify Premium
<action>	Add
<settings>	
<name>	BDAS FNN
<value>	
</settings>	
<settings>	
<name>	Bandwidth
<value>	10 Mbps, 100 Mbps, 1000 Mbps, 150 Mbps, 20 Mbps, 200 Mbps, 250 Mbps, 30 Mbps, 300 Mbps, 350 Mbps, 4 Mbps, 400 Mbps, 450 Mbps, 50 Mbps, 500 Mbps, 6 Mbps, 600 Mbps, 70 Mbps, 700 Mbps, 8 Mbps, 800 Mbps, 900 Mbps.
</settings>	
<settings>	

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	<name>	Uni Bandwidth & Type
	<value>	GE (1000baseLX, 1000m distance), GE (1000baseSX, 500m distance), GE (1000baseTX, 100m distance).
</settings>		
<settings>		
	<name>	MTU Size
	<value>	1548, 1600.
</settings>		
<settings>		
	<name>	Resiliency Options
	<value>	Protected, Unprotected.
</settings>		
<settings>		
	<name>	Service Assurance Level
	<value>	Business Plus (Standard), Express 4 Plus, Express 8 Plus.
</settings>		
</products>		
<customerRequestedDate>		
	<Date>	CRD may be subject to a mandatory lead-time
</customerRequestedDate>		
</requestItems>		
</request>		

4.3 Cancel BDAS Service

The following table shows the XML Request for cancelling a BDAS service. The example shows the fields required for the *Cancel BDAS Service* work type.

XML Field	Description or Value to use
<request>	
<spReferenceNumber>	Service Provider specific number, provided to allow SP to track the order with own keys. This is not used by Telstra.
<spContactName>	Name of a contact person from the Service Provider and not the SP or company name.
<spPhoneNumber>	The Service Provider contact phone number.
<ProjectID>	Identification number to link requests.
<customerContactName>	The end user's name.
<customerPhoneNumber>	The end user's contact phone number.
<Notes>	Provides the option to add information about the Request at a high level.
<requestItems>	
<siteDetail>	
<contactName>	The end user's name.
<contactPhoneNumber>	The end user's contact phone number.
<address>	Optional parameter for this webservice, but is required for this work type.
<customerName>	
<streetNumber>	
<streetName>	
<streetType>	
<Locality>	
<postcode>	
</address>	
</siteDetail>	
<workTypeDescription>	Cancel BDAS Service

<products>	
<name>	Cancel BDAS
<action>	Add
<settings>	
<name>	Existing BDAS FNN
<value>	
</settings>	
<settings>	
<name>	Existing Site Address
<value>	
</settings>	
<settings>	
<name>	Site Contact Name
<value>	
</settings>	
<settings>	
<name>	Site Contact Number
<value>	
</settings>	
</products>	
<customerRequestedDate>	
<Date>	CRD may be subject to a mandatory lead-time
</customerRequestedDate>	
</requestItems>	
</request>	

4.4 Relocate BDAS Service

The following table shows the XML Request for relocating a BDAS service. The example shows the fields required for the *Relocate BDAS* work type.

XML Field	Description or Value to use
<request>	
<spReferenceNumber>	Service Provider specific number, provided to allow SP to track the order with own keys. This is not used by Telstra.
<spContactName>	Name of a contact person from the Service Provider and not the SP or company name.
<spPhoneNumber>	The Service Provider contact phone number.
<ProjectID>	Identification number to link requests.
<customerContactName>	The end user's name.
<customerPhoneNumber>	The end user's contact phone number.
<Notes>	Provides the option to add information about the Request at a high level.
<requestItems>	
<siteDetail>	
<contactName>	The end user's name.
<contactPhoneNumber>	The end user's contact phone number.
<address>	Optional parameter for this webservice, but is required for this work type.
<customerName>	
<streetNumber>	
<streetName>	
<streetType>	
<Locality>	
<postcode>	

	</address>	
</siteDetail>		
<workTypeDescription>		Relocate BDAS
<products>		
<name>		Relocate BDAS
<action>		Add
<settings>		
<name>		Customer Name
<value>		
</settings>		
<settings>		
<name>		BDAS FNN
<value>		
</settings>		
<settings>		
<name>		New Site Address
<value>		
</settings>		
<settings>		
<name>		Site Service Number
<value>		
</settings>		
<settings>		
<name>		Fee For Service Allowed
<value>		No, Yes
</settings>		
</products>		
<customerRequestedDate>		
<Date>		CRD may be subject to a mandatory lead-time
</customerRequestedDate>		
</requestItems>		
</request>		

4.5 Convert BDAS

The following table shows the XML Request to convert an existing BDAS Standard service to a BDAS Enhanced service. The example shows the fields required for the *Convert BDAS* work type.

XML Field	Description or Value to use
<request>	
<spReferenceNumber>	Service Provider specific number, provided to allow SP to track the order with own keys. This is not used by Telstra.
<spContactName>	Name of a contact person from the Service Provider and not the SP or company name.
<spPhoneNumber>	The Service Provider contact phone number.
<ProjectID>	Identification number to link requests.
<customerContactName>	The end user's name.
<customerPhoneNumber>	The end user's contact phone number.
<Notes>	Provides the option to add information about the Request at a high level.
<requestItems>	
<siteDetail>	
<contactName>	The end user's name.

<contactPhoneNumber>	The end user's contact phone number.
<address>	Optional parameter for this webservice, but is required for this work type.
<customerName>	
<streetNumber>	
<streetName>	
<streetType>	
<Locality>	
<postcode>	
</address>	
</siteDetail>	
<workTypeDescription>	Convert BDAS
<products>	
<name>	BDAS Service Term
<action>	Add
<settings>	
<name>	Service Term
<value>	1 year, 2 years, 3 years.
</settings>	
</products>	
<products>	
<name>	Enhanced Service Details
<action>	Add
<settings>	
<name>	Customer Reference Number
<value>	
</settings>	
<settings>	
<name>	A-End FNN
<value>	
</settings>	
<settings>	
<name>	Feasibility Performed
<value>	No, Yes.
</settings>	
<settings>	
<name>	Feasibility Number
<value>	
</settings>	
<settings>	
<name>	Special Linkage Required
<value>	No, Yes.
</settings>	
<settings>	
<name>	Bandwidth
<value>	10 Mbps, 100 Mbps, 20 Mbps, 30 Mbps, 4 Mbps, 50 Mbps, 6 Mbps, 70 Mbps, 8 Mbps.
</settings>	
<settings>	
<name>	Duplex Mode
<value>	Full Duplex, Half Duplex.
</settings>	
<settings>	
<name>	Uni Bandwidth & Type
<value>	10 Mbps (10/100baseTX, 100m distance), 100 Mbps (10/100baseFX, 400m distance), 100 Mbps (10/100baseTX, 100m distance).
</settings>	

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<settings>	
<name>	Service Assurance Level
<value>	Business Plus, Business Standard, Express 8 Plus.
</settings>	
<settings>	
<name>	Internal Cabling Installed
<value>	Copper, Multimode Fibre, None.
</settings>	
<settings>	
<name>	Fee For Service
<value>	Fee for Service, Fixed Fee Charges, No.
</settings>	
<settings>	
<name>	Cable Riser
<value>	Cat 5e cable from 5 to 10 floors, Cat 5e cable up to 4 floors, Cat 6 cable from 5 to 10 floors, Cat 6 cable up to 4 floors, MMoF cable from 5 to 10 floors, MMoF cable up to 4 floors.
</settings>	
<settings>	
<name>	Additional Blocks
<value>	0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20.
</settings>	
<settings>	
<name>	Lateral Cable Type
<value>	25m floor lateral Cat5e/6 cable, 25m floor lateral MMoF cable, 50m Floor lateral Cat5e/6 cable, 50m floor lateral MMoF cable.
</settings>	
</products>	
<customerRequestedDate>	
<Date>	CRD may be subject to a mandatory lead-time
</customerRequestedDate>	
</requestItems>	
</request>	

5 DOCUMENT CONTROL SHEET

Contact for Enquiries and Proposed Changes

If you have any questions regarding this document contact:

Name: Keith Berry

Designation: Online Training Manager

Phone: (07) 34552060

Issue No.	Issue Date	Nature of Amendment
1	30/06/2010	First Issue