System Errors

System errors are errors, thrown by the xUML Runtime, that can be caught by the modeler (see Catching Errors). A system error, that has not been caught, will be written to the xUML service log.

Overview of the Error Domains

Click an error domain to go to the list of errors of that domain.
Click a context to go to the documentation of the selected topic.

Error Domain	Context
AWSS3SM	S3 Adapter
BESM	Core Messages
FLOWSM	Activity Diagram
FSADSM	Filesystem Adapter
FUASM	Arithmetic Operations
FUBLOBSM	Blob Operations
FUBSM	Boolean Operations
FUCSM	Object creation

Error Domain	Context
FUDSM	DateTime Operations
FUMATHSM	Mathematics
FUMSM	Miscellanous
FUMAPSM	Map Operations
FUSSM	String Operations
FUTSM	Type Conversion Operations
JSONSM	classToJson() Operation jsonToClass() Operation
KAWKAADSM	Kafka Producer Adapter

Error Domain	Context
MEMADSM	Memory Adapter
MONGOADSM	MongoDB Adapter
RESTADSM	REST Adapter
SAPADSM	SAP Adapter
UCSM	Unicode
XMLFSM XMLSM	classToXML() Operation xmlToClass() Operation for Blobs xmlToClass() Operation for Strings

Domain AWSS3SM

Domain	Error Code	Description
AWSS3SM	0	Client call fails.
AWSS3SM	1	Cannot open file for getting or putting object.

Domain BESM

Domain	Error Code	Description
BESM	1	Function did not return data.

BESM	2	One of the parameters of a vararg function is null.
BESM	3	No executable component found.
BESM	4	Accessor returned simple type instead of complex type.
BESM	5	Accessor returned simple type instead of complex type.
BESM	6	Type of retrieved item does not match required type.
BESM	7	Neither m_Execute nor execute are defined for function.
BESM	9	Access to component denied (role based access control).
BESM	10	License violation: Too many concurrent requests.
BESM	11	Database: The given statement was not prepared.
BESM	12	Database: Generic SQL API error.
BESM	13	Can not connect to database.
BESM	14	The virtual operation is not supported by the given object instance.
BESM	15	The given object instance is missing class information.
BESM	16	The given object is not a class.
BESM	23	The mapping guard does not return a boolean value.
BESM	24	Executing SQL statement.
BESM	25	Executing SQL statement.
BESM	26	Executing commit or rollback.
BESM	27	Can not find function
BESM	28	Accessor returned simple type instead of complex type.
BESM	29	Error parsing JSON.

Domain FLOWSM (Flows)

Refer to Drawing an Activity Diagram for more information on the context.

Domain	Error Code	Description
FLOWSM	2	A called condition in a generic flow did not return a value.
FLOWSM	3	A called condition in a generic flow did not return boolean.
FLOWSM	5	Source for the iteration is not a complex item.
FLOWSM	6	Function did not return an error domain object.
FLOWSM	7	The returned error domain object is not of string type.
FLOWSM	8	Function did not return an error code object.
FLOWSM	9	The returned error code object is not of string type.
FLOWSM	10	Function did not return an error domain object.
FLOWSM	11	The returned error domain object is not of string type.
FLOWSM	12	Function did not return an error code object.
FLOWSM	13	The returned error code object is not of string type.
FLOWSM	14	Function did not return an error description object.
FLOWSM	15	The returned error description object is not of string type.
FLOWSM	16	It is not possible to store an iteration output to an input object of the same iteration. Correct the service model.

Domain FSADSM (Filesystem Adapter)

Refer to Filesystem Adapter for more information on the context.

Domain	Error Code	Description
FSADSM	1	Failed opening file.
FSADSM	3	Position is invalid.
FSADSM	4	Failed reading file.
FSADSM	6	Failed stating file.
FSADSM	7	The content is smaller than the write size.
FSADSM	8	Failed opening file.
FSADSM	9	Position is invalid.
FSADSM	10	Failed writing file.
FSADSM	13	Failed stating file.
FSADSM	14	Failed renaming entry.
FSADSM	16	Failed creating directory.
FSADSM	18	Failed opening directory.
FSADSM	21	Data missing for write request.
FSADSM	22	Failed creating file.
FSADSM	23	Failed stating entry for removal.
FSADSM	25	Failed opening file.
FSADSM	26	Failed renaming entry.
FSADSM	29	File is not open.
FSADSM	31	Failed getting exact file size. The real size may differ.
FSADSM	32	Name is empty.
FSADSM	33	Path '%s' is outside allowed base directory '%s'.
FSADSM	34	Failed copying entry.

Domain FUASM (Arithmetic Operations)

Domain	Error Code	Description
FUASM	2	Floating point functions can only operate on float values
FUASM	3	A division by zero occurred during a float divide
FUASM	5	Integer operations can only operate on integer values
FUASM	6	A division by zero occured during an integer divide

Domain FUBLOBSM (Blob Operations)

Domain	Error Code	Description
FUBLOBSM	1	Blob size is too large for universe.
FUBLOBSM	2	Can't concat blob to non-blob

Domain FUBSM (Boolean Operations)

Domain	Error Code	Description
FUBSM	1	Boolean function can only operate on boolean values
FUBSM	2	Boolean function can only operate on boolean values
FUBSM	3	Left and right argument of the comparison differ in type
FUBSM	4	Complex or unknown types can not be compared
FUBSM	5	The operator is not valid for this data type
FUBSM	6	Cannot compile the regular expression in like/not like expression.
FUBSM	7	Cannot compare with NULL using operator.

Domain FUCSM (Create)

Domain	Error Code	Description
FUCSM	1	Function getServiceContext("SystemEnvironment") is not supported at the moment. You can call getServiceContextValue() to get a value for one specific environment variable.

Domain FUDSM (DateTime Operations)

Domain	Error Code	Description
FUDSM	1	Accessor for function failed.
FUDSM	2	Item to convert is wrong type.
FUDSM	3	Accessor for function failed.
FUDSM	4	Item to convert is wrong type.
FUDSM	5	Accessor for function failed.
FUDSM	6	Item to convert is wrong type.
FUDSM	7	Accessor for function failed.
FUDSM	8	Item to convert is wrong type.
FUDSM	9	Parsing of "..." failed, it does not match format expression "...".
FUDSM	10	Time ticks must be greater or equal zero.
FUDSM	11	Unrecognized tabfile element found.

Domain FUMMAPSM (Map)

Domain	Error Code	Description
FUMMAPSM	1	No valid map key value
FUMMAPSM	2	No valid map item
FUMMAPSM	3	buildMap: No array to build a map from
FUMMAPSM	4	buildMap: No valid key name string
FUMMAPSM	5	buildMap: Did expect an non-empty array of records
FUMMAPSM	6	buildMap: Cannot find the key attribute in the array element

Domain FUMATHSM (Mathematics)

Domain	Error Code	Description
FUMATHSM	1	Generation of random number failed.

Domain FUMSM (Miscellanous)

Domain	Error Code	Description
FUMSM	1	The count function can only work on complex types.
FUMSM	2	The filter function can only work on complex types.
FUMSM	3	The filter function can only work with boolean arguments.
FUMSM	4	The source structure for getAt is not of complex type.
FUMSM	5	The accessor to the complex structure is not a number.
FUMSM	6	The accessor to the complex number is < 0 or > count.
FUMSM	7	The map function can only work on complex types.
FUMSM	9	The reduce function can only work on complex types.
FUMSM	10	The first item of a reduce function is NULLFUMSM.
FUMSM	11	The reduce function returned NULLFUMSM.
FUMSM	13	The target structure for setAt is not of complex type.
FUMSM	14	Index accessor of setAt function is negative.
FUMSM	15	The sort function can only work on complex types.
FUMSM	16	The clone function can only work on complex types.
FUMSM	17	Could not find the called component.
FUMSM	18	Invalid repository for the generic function: no called-component.
FUMSM	19	Only simple types can be cast by castValue().
FUMSM	20	castValue(): The dynamic type is String but the static type does not derive from String.
FUMSM	21	castValue(): Constraint violations.
FUMSM	22	castValue(): The dynamic type is Integer but the static type does not derive from Integer.
FUMSM	23	castValue(): Constraint violations.
FUMSM	24	castValue(): The dynamic type is Float but the static type does not derive from Float.
FUMSM	25	castValue(): Constraint violations.
FUMSM	26	Can't execute join on simple type.
FUMSM	27	All elements of the complex type must be strings. Element is not String.
FUMSM	28	All elements of the complex type must be strings. Element is NULL.
FUMSM	29	castValue(): The dynamic type is Boolean but the static type does not derive from Boolean.
FUMSM	30	castValue(): The dynamic type is Blob but the static type does not derive from Blob.
FUMSM	31	castValue(): The dynamic type is DateTime but the static type does not derive from DateTime.
FUMSM	32	URL parsing error.
FUMSM	33	URL composing error.
FUMSM	34	Invalid return type of sort condition.

Domain FUSSM (String Operations)

Domain	Error Code	Description
FUSSM	2	concat function can only be applied to strings
FUSSM	4	chars to be found has not been found in accessed string
FUSSM	5	string shorter than start position of substring
FUSSM	6	Regular separator expression used to split a string is not valid.
FUSSM	7	Regular separator expression used to split a string is not valid.
FUSSM	8	Cannot compile the regular expression '%s' in split(). Error on line %d, column %d.
FUSSM	9	Cannot construct split matcher finding occurrences of '%s' in '%s'.
FUSSM	10	Split error.
FUSSM	14	Cannot compile the regular expression '%s' in replace(). Error on line %d, column %d.
FUSSM	15	Cannot construct replace matcher finding occurrences of '%s' in '%s'.
FUSSM	16	Cannot replace all occurences of '%s' in string '%s' by '%s'.
FUSSM	17	Cannot execute findPattern operations on undefined or empty strings.
FUSSM	18	Cannot execute findPattern operations using an undefined or empty pattern string.
FUSSM	19	Cannot compile the regular expression '%s' in findPattern(). Error on line %d, column %d.
FUSSM	20	Cannot construct findPattern matcher finding occurrences of '%s' in '%s'.
FUSSM	21	Cannot find any occurrences of '%s' in '%s'.
FUSSM	22	Error occurred while matching the first occurrences of '%s' in string '%s'.
FUSSM	23	Cannot execute findPatterns operations on undefined or empty strings.
FUSSM	24	Cannot execute findPatterns operations using an undefined or empty pattern string.
FUSSM	25	Cannot compile the regular expression '%s' in findPatterns(). Error on line %d, column %d.
FUSSM	26	Cannot construct findPatterns matcher finding occurrences of '%s' in '%s'.
FUSSM	27	Error occurred while matching the %d-th occurrences of '%s' in string '%s'.
FUSSM	28	Error converting float to string.
FUSSM	29	Error converting integer to string.
FUSSM	30	Error converting string to float.
FUSSM	31	Error converting string to integer.
FUSSM	32	Cannot execute capture operations on empty strings.
FUSSM	33	Cannot execute capture operations using an undefined or empty pattern string.
FUSSM	34	Cannot compile the regular expression '%s' in capture(). Error on line %d, column %d.
FUSSM	35	Cannot construct capture matcher finding occurrences of '%s' in '%s'.
FUSSM	36	Error occurred while capturing the %d-th occurrences of '%s' in string '%s'.
FUSSM	39	Cannot compile the regular expression in function matches.
FUSSM	40	Error during matching against pattern.

Domain FUTSM (Type Conversion Operations)

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Domain	Error Code	Description

FUTSM	1	type converter functions can not work on complex types
FUTSM	2	Binary integer is too big (> 8 byte)
FUTSM	3	Illegal conversion
FUTSM	5	Length of HEX string is an odd number
FUTSM	6	Invalid duration

Domain JSONSM (JSON Parser)

Domain	Error Code	Description
JSONSM	1	The input object is missing.
JSONSM	2	Input object must be an object of a class but it is of type.
JSONSM	3	JSONToClass(): The JSON input string is missing.
JSONSM	4	JSONToClass(): The JSON input must be of type string but it is of type.
JSONSM	5	JSONToClass(): Parser error.
JSONSM	6	Options object must be an object of a class.

Domain KAWKAADSM (Kafka Producer Adapter)

Refer to Apache Kafka Producer Adapter for more information on the context.

Domain	Error Code	Description
KAWKAADSM	0	One of the headers in the input array is null or not a record.
KAWKAADSM	1	The type of the header record does not match the expected one.
KAWKAADSM	2	Input ProducerRecord is null or not a record.
KAWKAADSM	3	The type of the input ProducerRecord does not match the expected one.
KAWKAADSM	4	The 'topic' field within the ProducerRecord is missing or is not a string.
KAWKAADSM	5	The 'key' field within the MessageHeader is missing or is not a string.
KAWKAADSM	6	The initialization of the Kafka Producer has failed.
KAWKAADSM	7	Producing a message has failed.

Domain MEMADSM (Memory Adapter)

Refer to Memory Adapter for more information on the context.

Domain	Error Code	Description
MEMADSM	3	The key is missing.
MEMADSM	4	The key is empty.
MEMADSM	7	The key is missing.
MEMADSM	8	The key is empty.
MEMADSM	9	The message is not stored here.
MEMADSM	10	The key is missing.
MEMADSM	11	The key is empty.
MEMADSM	12	The message is not stored here.

MEMADSM	13	The map key is empty.
MEMADSM	14	The map key is empty.
MEMADSM	15	The map key is empty.
MEMADSM	16	The map key is empty.

Domain MONGOADSM (MongoDB Adapter)

Refer to MongoDB Adapter for more information on the context.

Domain	Error Code	Description
MONGOADSM	1	Blob to big to serialize.
MONGOADSM	2	Initializing MongoDB Addon failed.
MONGOADSM	3	Could not start session.
MONGOADSM	4	Accessing database/collection failed.
MONGOADSM	5	Operation failed.
MONGOADSM	6	No open result set '{}' for fetch operation.
MONGOADSM	7	Type is unknown.
MONGOADSM	8	Attribute has wrong type.
MONGOADSM	9	Attribute has unsupported type.
MONGOADSM	10	Nested arrays are unsupported.
MONGOADSM	11	Parsing as float failed.
MONGOADSM	12	Parsing failed.

Domain RESTADSM (REST Adapter)

Refer to REST Adapter for more information on the context.

Domain	Error Code	Description
RESTADSM	1	Error occurred during REST request.
RESTADSM	2	Unsupported content type for C-T or Accept header
RESTADSM	3	HTTP Error occured
RESTADSM	4	Received unexpected (not handled in a model) HTTP status
RESTADSM	5	Failed to parse response body.

Domain SAPADSM (SAP Adapter)

Refer to SAP Adapter for more information on the context.

Domain	Error Code	Description
SAPADSM	2	Unknown request.
SAPADSM	3	Failed to open SAP communication.

SAPADSM	4	SAP exception occurred during request.
SAPADSM	5	SAP system exception occurred during request.
SAPADSM	6	SAP error occurred during request.
SAPADSM	8	Component is not properly set up.
SAPADSM	9	Header is missing.
SAPADSM	10	Content is missing.
SAPADSM	11	Failed parsing message.
SAPADSM	13	Component is not properly set up.
SAPADSM	14	Content is missing.
SAPADSM	15	Failed parsing message.
SAPADSM	16	Component is not properly set up.
SAPADSM	17	Component is not properly set up.
SAPADSM	18	Content is missing.
SAPADSM	19	Failed parsing message.
SAPADSM	20	Content is missing.
SAPADSM	21	Failed parsing message.
SAPADSM	22	Header is missing.
SAPADSM	24	Request is unknown in the SAD repository.
SAPADSM	25	Failed to open SAP communication for request.
SAPADSM	26	SAP exception occurred during request.
SAPADSM	27	SAP system exception occurred during request.
SAPADSM	28	SAP error occurred during request.
SAPADSM	30	Request is unknown in the SAD repository.
SAPADSM	31	Failed to open SAP communication for request.
SAPADSM	32	SAP exception occurred during request.
SAPADSM	33	SAP system exception occurred during request.
SAPADSM	34	SAP error occurred during request.
SAPADSM	35	No transaction id si given for request.
SAPADSM	36	Composing SAP message failed.
SAPADSM	37	Parsing SAP message failed.
SAPADSM	38	Connection string is empty

Domain SSISM

Domain	Error Code	Description
SSISM	1	Parsing request failed.

Domain SSPSM

Domain	Error Code	Description
SSPSM	1	The value to store and the requested type are not compatible.

SSPSM	8	The soap input is invalid (parser).
SSPSM	10	Message element ist missing (parser).
SSPSM	12	Invalid message (parser).
SSPSM	14	Message conversion failed (parser).
SSPSM	16	The xml repository is invalid (parser).
SSPSM	17	The input is invalid xml (parser).
SSPSM	18	The soap repository is invalid (composer).
SSPSM	19	Unknown soap message (composer).
SSPSM	20	Unknown xml message (composer).
SSPSM	22	Unknown soap output type (composer).
SSPSM	23	Unknown xml output type (composer).
SSPSM	25	The SOAP repository is invalid (parser).
SSPSM	26	Unknown SOAP message (parser).
SSPSM	27	SOAP dataitem for message is unknown.
SSPSM	28	Invalid message (parser).
SSPSM	29	Unknown xml message (parser).
SSPSM	30	XML dataitem for message is unknown.
SSPSM	31	Message set is unknown.
SSPSM	33	The soap repository is invalid (composer).
SSPSM	34	Message set is unknown.
SSPSM	35	The soap repository is invalid (composer).
SSPSM	36	The metadata for a record is missing, probably corrupt repository.
SSPSM	37	Found empty SOAP request or response.
SSPSM	38	Found multiple consecutive elements. This indicates (ill-formed but supported) array, but expecting a record.
SSPSM	39	Expected and received records are incompatible.

Domain UCSM (Unicode)

Domain	Error Code	Description
UCSM	1	Input data could not be converted to the intermediate.
UCSM	2	Could not convert between source and target codepage.
UCSM	3	Codepage is unknown.

Domain XMLFSM

Domain	Error Code	Description
XMLFSM	1	The parser repository is not correctly set up.
XMLFSM	2	The composer repository is not correctly set up.
XMLFSM	3	Unknown function requested.
XMLFSM	4	Unknown function requested.
XMLFSM	5	Unknown parser input message.

XMLFSM	6	Unknown output message.
XMLFSM	7	Error during parsing.
XMLFSM	9	Unknown message.
XMLFSM	10	Content is wrong type.
XMLFSM	11	Blob is empty.
XMLFSM	12	String is empty.
XMLFSM	15	Parser accessor failed.
XMLFSM	16	Composer accessor failed.
XMLFSM	17	Content is of wrong type.
XMLFSM	18	Prolog for XML composing is not array of strings

Domain XMLSM (XML Parsing)

Domain	Error Code	Description
XMLSM	3	The native XML parser reported an XML error.
XMLSM	4	The native XML parser reported an internal parser error.
XMLSM	5	The native XML parser reported an error during parsing.
XMLSM	6	The native XML parser reported a warning during parsing.
XMLSM	7	The native XML parser reported a fatal error during parsing.
XMLSM	8	The parser has found a subelement that is not expected here.
XMLSM	9	The parser has found a subelement that wasn't expected.
XMLSM	10	Expected array meta information here.
XMLSM	11	Expected array or record meta information here.
XMLSM	12	Failed to convert character to simple record type.
XMLSM	13	Failed to convert simple array type.
XMLSM	14	Failed to convert element to simple record type.
XMLSM	15	DataItem for message is unknown.
XMLSM	16	Message is unknown.
XMLSM	17	Invalid XML repository.
XMLSM	18	Invalid XML repository.
XMLSM	19	Error with handling ignored sub-elements
XMLSM	20	Type not convertable.
XMLSM	21	Parsing element of type ANY without xsi:type.