





Note

Before using this information and the product it supports, read the information in “Notices” on page 19.

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About this information

This reference lists and describes each message that can be generated by the Active Correlation Technology engine. Messages are listed in ascending alphanumeric order.

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Message reference

ACTCO0001E Active Correlation Technology logging cannot be started for your application.

Explanation: Active Correlation Technology logging cannot be started for your application.

Administrator Response: Ensure that the Active Correlation Technology JAR files are not corrupted and that the logging configuration file contains no typographical errors. If the problem persists, contact IBM Software Support.

ACTCO0002I Logging for version *version_number* of the Active Correlation Technology has been successfully started and configured.

Explanation: No additional information is available for this message.

ACTCO0003E The *logger_name* logger cannot be created.

Explanation: Although Active Correlation Technology logging has been started for your application, the logging configuration does not support the specified logger.

Administrator Response: Ensure that the Active Correlation Technology JAR files are not corrupted and that the logging configuration file contains no typographical errors. If the problem persists, contact IBM Software Support.

ACTCO0006E *value* is not a valid way for the Active Correlation Technology engine to handle missing attributes when computing the grouping key.

Explanation: Valid values are ignoreEvent or ignoreAttribute.

Operator response: Specify a valid value.

ACTCO0014E An error occurred during the initialization of the rule variables for the *rule_name* rule.

Explanation: An error occurred during the initialization of the rule variables for the specified rule.

Administrator Response: Verify that the error is not due to a configuration problem or system outage. Then contact the rule writer.

Programmer response: Verify that the initialization code for the variables contains no errors.

ACTCO0015E An error occurred during the deactivation of the *rule_name* rule.

Explanation: This error occurs when the rule cannot successfully complete the actions that deactivate the rule.

Administrator Response: Contact IBM Software Support.

ACTCO0016E An error occurred during the deactivation of the *rule_name* rule.

Explanation: This error is typically caused by an unhandled error in the expression code within a <varInitializer> element for one of the rule variables.

Administrator Response: Verify that the error is not due to a configuration problem or system outage. Then contact the rule writer. If the problem persists, contact IBM Software Support.

Programmer response: Verify that the expression code within the <varInitializer> element contains no errors.

ACTCO0017E Errors have occurred during the deactivation of the *rule_name* rule.

Explanation: The Active Correlation Technology engine runs many actions during the deactivation of a rule, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0018E An error occurred during the unloading of the *rule_name* rule from the Active Correlation Technology engine.

Explanation: This error occurs when the rule cannot successfully complete the actions that unload the rule.

Administrator Response: Contact IBM Software Support.

ACTCO0020E The *variable_name* variable is a read-only variable and cannot be modified.

Explanation: Expression code is attempting to modify a read-only variable using the setVariable() method of the act_lib variable.

Administrator Response: Contact the rule writer.

Programmer response: Change or remove the code that is causing this problem.

ACTCO0021E The *variable_name* variable cannot be initialized.

Explanation: The specified variable cannot be initialized when it is loaded into the Active Correlation Technology engine. This problem might be caused by unhandled errors in expression code or by an attempt to initialize the variable to an incompatible type.

Administrator Response: Verify that the error is not due to a configuration problem or system outage. Then contact the rule writer.

Programmer response: Verify that the initialization code for the variable contains no errors.

ACTCO0023E One or more errors occurred while the system was performing the requested operation. The first error resulted in the following message:
message_content

Explanation: The errors might be due to problems with the Active Correlation Technology engine or problems with expression code that is supplied as part of the rule set.

System action: Some processing of the current event might have been skipped. The Active Correlation Technology engine continues to process events.

Administrator Response: Investigate the list of reported errors. This can typically be done by consulting the logs. For rule-related problems, contact the rule writer. For problems that are related to the Active Correlation Technology engine, contact IBM Software Support.

ACTCO0024E Rules cannot be added to a rule set.

Explanation: An attempt was made to add a rule to a rule set. Only rule blocks can be added to a rule set.

Operator response: Add rule blocks to the rule set, and then add rules within those rule blocks.

ACTCO0025E This rule set is already assigned to an Active Correlation Technology engine.

Explanation: An attempt was made to assign a rule set to an Active Correlation Technology engine, but that rule set is being used by another Active Correlation Technology engine.

Programmer response: Take one of the following actions:

- Use a different rule set object.
 - Before assigning the rule set, call the `clearRuleSet()` method on the engine where the rule set is currently being used.
-

ACTCO0026E The node name is missing or contains a period, which is not allowed.

Explanation: The node name is the value of the name attribute for the node. This value is missing or contains a period, which is not allowed.

Operator response: Provide a valid name as the value of the name attribute for the node.

ACTCO0027E The Active Correlation Technology engine cannot copy the node.

Explanation: In certain Active Correlation Technology engine configurations, the engine must make copies of nodes. The copying process failed unexpectedly.

Administrator Response: Contact IBM Software Support.

ACTCO0028E The *node_name* node cannot be replaced because it does not exist in the rule set.

Explanation: The specified node cannot be replaced because it does not exist in the rule set.

Administrator Response: Verify that the node name is valid, that the rule set is the correct one, and that the node exists in the respective rule set.

ACTCO0029E The *node_name* node cannot be removed because it does not exist in the rule set.

Explanation: The specified node cannot be removed because it does not exist in the rule set.

Operator response: Verify that the node name is valid, that the rule set is the correct one, and that the node exists in the respective rule set.

ACTCO0030E The *node_name* node cannot be added before the *node_name1* node because the *node_name1* node does not exist in the rule set.

Explanation: The specified node cannot be added to the rule set because the node that it is to be inserted before does not exist in the rule set.

Operator response: Verify that the node name is valid, that the rule set is the correct one, and that the node exists in the respective rule set.

ACTCO0031E The *node_name* node cannot be added before the *node_name1* node because the *node_name1* node is a variable.

Explanation: An attempt was made to add a rule or a rule block before a variable. Rules and rule blocks must be added after any variables.

Operator response: Verify that the node name is valid, and add the node after the variables.

ACTCO0032E The *node_name* node cannot be added after the *node_name1* node because the *node_name1* node does not exist in the rule set.

Explanation: The specified node cannot be added to the rule set because the node that it is to be inserted after does not exist in the rule set.

Operator response: Verify that the node name is valid, that the rule set is the correct one, and that the node exists in the respective rule set.

ACTCO0033E The *node_name* node cannot be added after the *node_name1* node because the *node_name1* node is not the last variable.

Explanation: An attempt was made to add a rule or a rule block between two variables. Rules and rule blocks must be added after any variables.

Operator response: Verify that the node name is valid, and add the node after the variables.

ACTCO0034E The *node_name* node cannot be replaced because the new and existing node types do not match.

Explanation: An attempt was made to replace the specified node with a new node of a different type, which is not allowed. For example, replacing a rule with a rule block can cause this problem.

Operator response: Verify that the node name is valid and that the rule set is the correct one.

ACTCO0035E The *node_name* node cannot be removed because the new and existing node types do not match.

Explanation: This error is internal to the Active Correlation Technology engine.

Operator response: Contact IBM Software Support.

ACTCO0036E The *node_name* node cannot be added because it already exists in the rule set.

Explanation: Each node name must be unique. Duplicates are not allowed.

Operator response: Verify that the node name is valid and that the rule set is the correct one. Use the replace operation if you want to replace the existing node of the same name.

ACTCO0037E The addBefore operation is not supported for adding variables.

Explanation: The addBefore operation is valid only for adding rules and rule blocks.

Operator response: Use the add operation to add a variable.

ACTCO0038E The addAfter operation is not supported for adding variables.

Explanation: The addAfter operation is valid only for adding rules and rule blocks.

Operator response: Use the add operation to add a variable.

ACTCO0039E Variable nodes cannot be activated.

Explanation: The activate operation is valid only for rules.

Operator response: Specify the node name of a rule.

ACTCO0040E Variable nodes cannot be deactivated.

Explanation: The deactivate operation is valid only for rules.

Operator response: Specify the node name of a rule.

ACTCO0041E Rule block nodes cannot be activated.

Explanation: The activate operation is valid only for rules.

Operator response: Specify the node name of a rule.

ACTCO0042E Rule block nodes cannot be deactivated.

Explanation: The deactivate operation is valid only for rules.

Operator response: Specify the node name of a rule.

ACTCO0043E The *node_name* node already contains a variable named *variable_name*.

Explanation: Each variable name within a node must be unique.

Operator response: Change the name of the variable.

ACTCO0045E The *node_name* node is already assigned to an Active Correlation Technology engine.

Explanation: An attempt was made to add or replace a node, but that node is being used by another Active Correlation Technology engine.

Programmer response: Take one of the following actions:

- Use a different rule set object.
- Before adding or replacing the node, call the `clearRuleSet()` method on the engine where the node is currently being used.
- Construct the destination engine with the `IEngine.COPY_PROVIDED_NODES` option set.

ACTCO0049E The *node_name* node cannot be added because this Active Correlation Technology engine is not configured with the timer feature.

Explanation: The specified node cannot be added to this Active Correlation Technology engine because the node requires the timer feature.

Operator response: Remove the node from the rule set, or add it to an Active Correlation Technology engine that is configured with the timer feature.

ACTCO0050E The duration for the time interval must be a positive value.

Explanation: The duration is currently specified as either 0 or a negative number, which is not allowed.

Operator response: Specify a positive value for the duration, or remove the rule from the rule set.

ACTCO0051E The timer rule does not process events.

Explanation: This error is internal to the Active Correlation Technology engine.

Administrator Response: Contact IBM Software Support.

ACTCO0052E The timer rule does not process events.

Explanation: This error is internal to the Active Correlation Technology engine.

Administrator Response: Contact IBM Software Support.

ACTCO0053E An error occurred during the unloading of the *rule_name* rule.

Explanation: The specified rule could not be unloaded from the timer feature.

Administrator Response: Contact IBM Software Support.

ACTCO0057E Multiple errors occurred in the *rule_name* rule.

Explanation: The specified rule cannot successfully run the expression code within the `<onTimeOut>` or `<onTimeWindowComplete>` element for the rule. It also cannot return to its initial state.

Administrator Response: Review the logs for the cause of this error. If the error is due to the expression code, correct the code. Otherwise, contact IBM Software Support.

ACTCO0059E Some of the rule instances that are defined by the `<groupingKey>` element had errors during deactivation.

Explanation: When the `<groupingKey>` element is coded for a rule, each resulting rule instance must be deactivated. Some of these rule instances had errors during deactivation, but they were still deactivated.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0060E Multiple errors occurred during the deactivation of the rule.

Explanation: The Active Correlation Technology engine runs many actions during the deactivation of a rule, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0061E The rule has not returned to its initial state and is now unusable.

Explanation: At the following times, a rule performs several operations to make itself useful again:

- When it is deactivated
- When its pattern is matched
- For a sequence or threshold rule, when its time window expires before the sequence of events is detected or before the threshold is met.

The operations cause the rule to return to its initial state. This error indicates that the rule has not returned to its initial state. Typically, the cause is that a variable initializer has not run correctly.

System action: The Active Correlation Technology engine unloads this rule and ignores it.

Administrator Response: Review the logs to determine the cause of this error. The only way to make the rule usable again is to replace it.

ACTCO0062E The variables for the *rule_name* rule have not been initialized. The rule is now unusable.

Explanation: The rule variables cannot be initialized. Therefore, the rule cannot run correctly and is ignored by the Active Correlation Technology engine.

System action: The Active Correlation Technology engine ignores this rule until the rule is replaced.

Administrator Response: Review the logs to determine the cause of this error. The only way to make the rule usable again is to replace it.

ACTCO0064E Multiple errors occurred during the unloading of the *rule_name* rule.

Explanation: The Active Correlation Technology engine runs many actions during the unloading of a rule, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0065E An error occurred when the expression at the following location ran: *expression_location*.

Explanation: The Active Correlation Technology engine has handled an error that should have been handled by the code that was generated by the Active Correlation Technology compiler.

Administrator Response: Regardless of the cause of this error, contact IBM Software Support. Also verify that the expression code is correct.

ACTCO0066E The `<computedThreshold>` expression must have the name of a valid variable that is assigned to hold the computed threshold value that it returns.

Explanation: The variable name that is specified in the `assignTo` attribute on the `<computedThreshold>` element is not valid.

Operator response: Specify a valid variable name as the value of the `assignTo` attribute on the `<computedThreshold>` element for the node.

ACTCO0068E The computed threshold of the threshold rule does not contain a valid comparison operator.

Explanation: The comparison operator for this computed threshold is no longer valid. The cause could be file corruption during the serialization process.

Administrator Response: Contact IBM Software Support.

ACTCO0069E An error occurred while determining whether the threshold is met for the *rule_name* rule.

Explanation: For the specified threshold rule, an error occurred when comparing the computed threshold value to the defined threshold value.

Administrator Response: Review the logs for the specific cause of the error.

ACTCO0070E The threshold comparison operator is not valid.

Explanation: This error occurs when converting between enumeration and string values of the threshold comparison operator.

Operator response: Specify a valid threshold comparison operator.

ACTCO0071E The event count threshold must be a positive integer.

Explanation: The value of the threshold attribute on the `<eventCountThreshold>` element is not a positive integer.

Operator response: Change the value of the threshold attribute to a positive integer.

ACTCO0072E A threshold rule cannot have an event count threshold with a sliding time interval and have a time window that is set to run until deactivated.

Explanation: The value of the `timeIntervalMode` attribute on the `<eventCountThreshold>` element is `sliding`, but the `<timeWindow>` element contains the `<runUntilDeactivated>` element.

Operator response: Either change the event count threshold to have a fixed time interval mode, or change the time window for the threshold rule.

ACTCO0073E Multiple errors occurred when the following threshold rule processed an event: *rule_name*.

Explanation: The Active Correlation Technology engine runs many actions when processing an event in a rule, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0074E The expression at the following location has not been generated: *location*.

Explanation: Either the expression compiler for the Active Correlation Technology could not generate the

required expression code for this rule, or the rule called the wrong expression.

Administrator Response: Contact IBM Software Support.

ACTCO0075E The rule set cannot be serialized while it is being used by an Active Correlation Technology engine.

Explanation: Certain software tried to serialize the IRuleSet object while it was in use by an Active Correlation Technology engine.

Programmer response: Before serializing the rule set, clear the rule set in the Active Correlation Technology engine.

ACTCO0076E The Active Correlation Technology classes must be serialized by an ACTObjectOutputStream object.

Explanation: Certain software tried to serialize the IRuleSet object with an ObjectOutputStream object that is not an ACTObjectOutputStream class. The ACTObjectOutputStream class is needed to save additional information during serialization.

Programmer response: Serialize the IRuleSet object with an ACTObjectOutputStream object.

ACTCO0077E The Active Correlation Technology classes must be deserialized by an ACTObjectInputStream object.

Explanation: Certain software tried to deserialize the IRuleSet object with an ObjectInputStream object that is not an ACTObjectInputStream class. The ACTObjectInputStream class is needed to retrieve additional information during deserialization.

Programmer response: Deserialize the IRuleSet object with an ACTObjectInputStream object.

ACTCO0078E The rule does not contain a valid order configuration.

Explanation: The rule configuration has been corrupted. The cause could be file corruption during the serialization process.

Administrator Response: Contact IBM Software Support.

ACTCO0079E The rule does not contain a valid value for handling missing attributes when computing the grouping key.

Explanation: The rule configuration has been corrupted. The cause could be file corruption during the serialization process.

Administrator Response: Contact IBM Software Support.

ACTCO0080E Each event must have an associated event type.

Explanation: The Active Correlation Technology engine received an event that does not have an associated event type. The attribute alias cannot be computed for events without an event type.

Programmer response: Construct the event with an event type.

ACTCO0081E An error occurred during the deactivation of the rule_name rule.

Explanation: The scheduled deactivation of the rule cannot be canceled.

Administrator Response: Contact IBM Software Support.

ACTCO0082E An error occurred during the unloading of the rule_name rule.

Explanation: The rule did not successfully complete its deactivation actions prior to the unload stage.

Administrator Response: Contact IBM Software Support.

ACTCO0083E An error occurred during the unloading of the rule_name rule.

Explanation: The rule did not release certain resources during the unload stage.

Administrator Response: Contact IBM Software Support.

ACTCO0084E An error occurred during the deactivation of the rule instances for the rule_name rule.

Explanation: Either the rule did not successfully complete its deactivation actions, or one or more of the rule instances had errors during deactivation.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0085E The <computeFunction> expression must have the name of a valid variable that is assigned to hold the value that it returns.

Explanation: The variable name that is specified in the assignTo attribute on the <computeFunction> element is not valid.

Operator response: Specify a valid variable name as

the value of the assignTo attribute on the <computeFunction> element of the rule.

ACTCO0086E Multiple errors occurred when the following filter rule processed an event: *rule_name*.

Explanation: The Active Correlation Technology engine runs many actions when processing an event in a rule, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0087E Errors have occurred during the deactivation of a rule instance for the *rule_name* rule.

Explanation: The Active Correlation Technology engine runs many actions during the deactivation of a rule instance, and multiple errors have occurred.

Administrator Response: Because this is a summary of multiple errors, review the logs for the specific causes of this error.

ACTCO0088E The value *value* is not valid for the parameter *parameter_name*.

Explanation: An Active Correlation Technology method was called with the specified parameter value, which is not valid.

Programmer response: Refer to the API reference to determine the valid values for the parameter, and correct the error.

ACTEN0001E The Active Correlation Technology engine has not obtained a valid timer object.

Explanation: The Active Correlation Technology engine has been configured with the timer feature (to support stateful rules), but a valid timer object cannot be loaded.

Administrator Response: Contact IBM Software Support.

ACTEN0002E The Active Correlation Technology engine has not obtained a valid timer object.

Explanation: The Active Correlation Technology engine has been configured with the timer feature (to support stateful rules), but a valid timer object cannot be loaded because an unexpected error occurred.

Administrator Response: Contact IBM Software Support.

ACTEN0003E The rule set cannot be applied to the Active Correlation Technology engine.

Explanation: Typically, this error is due to runtime errors in expression code.

Operator response: Review the logs to determine the specific cause of the error. Correct any errors in the rule set.

ACTEN0004E The unloading of the rule set from the Active Correlation Technology engine did not successfully complete.

Explanation: The clearRuleSet() method did not remove all of the nodes from the Active Correlation Technology engine. The engine is in an unknown state and should not be used.

Administrator Response: Contact IBM Software Support.

ACTEN0005E The *node_name* node does not exist in the rule set that was provided to the Active Correlation Technology engine.

Explanation: An attempt was made to add a node to, or replace a node in, the Active Correlation Technology engine, but the node does not exist in the rule set.

Operator response: Verify that the node name is correct and that the node is contained in the rule set. Although a rule variable is not a node, a common error is the specification of a rule variable as a node. Ensure that this is not the cause of this error.

ACTEN0006E The *node_name* node does not exist in the rule set that is currently running in the Active Correlation Technology engine.

Explanation: An attempt was made to replace a node in the Active Correlation Technology engine, but the node does not exist in the rule set.

Operator response: Verify that the node name is correct and that the node is contained in the rule set. Although a rule variable is not a node, a common error is the specification of a rule variable as a node. Ensure that this is not the cause of this error.

ACTEN0007E Events cannot be processed because the Active Correlation Technology engine has shut down or is in the process of shutting down.

Explanation: This error occurs when the Active Correlation Technology engine receives a request to process events after it has received a request to shut down. This is probably due to an error in the software in which the Active Correlation Technology engine is embedded.

Administrator Response: Contact IBM Software Support.

ACTEN0008E The Active Correlation Technology engine encountered an unexpected error.

Explanation: The Active Correlation Technology engine did not handle or generate an error correctly.

System action: Some processing of the current event might have been skipped. The Active Correlation Technology engine continues to process events.

Administrator Response: Contact IBM Software Support.

ACTEN0009E The Active Correlation Technology engine has shut down or is in the process of shutting down.

Explanation: This error occurs when the Active Correlation Technology engine receives multiple requests to shut down. This is probably due to an error in the software in which the Active Correlation Technology engine is embedded.

Administrator Response: Contact IBM Software Support.

ACTEN0010E The shutdown of the Active Correlation Technology engine has been interrupted by another thread.

Explanation: This error occurs when the Active Correlation Technology engine is waiting for all threads that are processing events to complete before it shuts down, and another thread interrupts this process. The engine is not shut down, and the shutdown process must be called again.

ACTEN0012I Because an error occurred in loading the rule block or the rule set, the Active Correlation Technology engine is unloading and removing nodes that were previously loaded successfully.

Explanation: No additional information is available for this message.

ACTEN0013E An error occurred when nodes were being loaded into the Active Correlation Technology engine.

Explanation: This error occurs when a rule block or rule set is being added to, or replaced in, the Active Correlation Technology engine and either a rule cannot be loaded or a variable cannot be initialized. Typically, this is caused by the expression code within the <onLoad> element for the rule or within the <varInitializer> element for a variable.

Administrator Response: Review the log to determine

the cause, and correct the error.

ACTEN0014E An error occurred when rules were being activated.

Explanation: This error occurs when a rule block or rule set is being added to, or replaced in, the Active Correlation Technology engine and a rule does not activate. Typically, this is caused by the expression code within the <onActivation> element for the rule.

Administrator Response: Review the log to determine the cause, and correct the error.

ACTEN0015E An error occurred when nodes were being unloaded from the Active Correlation Technology engine.

Explanation: This error occurs when a rule cannot be unloaded correctly. Typically, this is caused by the expression code within the <onUnload> element for the rule.

System action: The error is logged and sent to an error handler for further processing, but it does not further affect the Active Correlation Technology engine.

Administrator Response: Review the log to determine the cause, and correct the error.

ACTEN0016E An error occurred when nodes were being unloaded from the Active Correlation Technology engine.

Explanation: This error occurs when a rule cannot be unloaded correctly. Typically, this is caused by the expression code within the <onUnload> element for the rule.

System action: The error is logged and sent to an error handler for further processing, but it does not further affect the Active Correlation Technology engine.

Administrator Response: Contact IBM Software Support.

ACTEN0017E The <groupingKey> element is coded for the *rule name* rule, but the Active Correlation Technology engine cannot create a rule instance. Processing continues.

Explanation: Because the <groupingKey> element is coded for the specified rule, the rule can have multiple rule instances. However, the Active Correlation Technology engine cannot create a rule instance. Some processing of the current operation might be skipped, but the Active Correlation Technology engine continues to run.

Administrator Response: Contact IBM Software Support.

ACTEN0018E The following rule or rule block cannot be found in the rule set:
node_name.

Explanation: The name of a rule or rule block that was supplied to the Active Correlation Technology engine cannot be found in the rule set.

Administrator Response: Verify that the name is correct, that the rule or rule block should be present, and that the rule or rule block has not been removed.

ACTEN0019E The following node exists in the rule set, but it is not a rule or rule block:
node_name.

Explanation: The node name that was supplied in a processEvent() method exists in the rule set, but it is not the name of a rule or rule block as required. A typical cause of this error is the specification of a rule set or rule block variable as the node name.

Administrator Response: Verify that the node name is correct, that the rule or rule block should be present, and that the node name is not that of a rule set or rule block variable.

ACTEN0021I The following event alias was requested and cannot be found: *alias*.

Explanation: The specified event alias was requested in an expression within a rule, and it cannot be found in the current list of events.

Administrator Response: Contact the rule writer.

Programmer response: Correct the expression code to request a valid event alias.

ACTEN0022E An attempt was made to forward an event to the *rule_name* rule before that rule completed its event processing.

Explanation: Through the use of one or more event forwarding methods, event is being forwarded to the specified rule before that rule has completed its processing. This creates a loop. The rule is not yet ready to accept additional events.

Administrator Response: Contact the rule writer.

Programmer response: Verify that all event forwarding methods are using the correct rule names (sending events to the correct rules). To prevent a loop, use the forwardOnCompletion() method rather than the forward() method.

ACTEN0023E An error occurred when the Active Correlation Technology engine was completing deferred processing that was requested by an expression. The following operation was attempted:
operation_code.

Explanation: The Active Correlation Technology engine does not recognize the specified operation. It cannot complete the operation.

Administrator Response: Contact IBM Software Support.

ACTEN0024E The following variable name cannot be found: *variable_name*.

Explanation: The specified variable name, which was supplied in a getVariable() or setVariable() method, cannot be found in the rule set.

Administrator Response: Contact the rule writer.

Programmer response: Verify that the name is correct, that the variable should be present, and that the variable has not been removed.

ACTEN0025I The rule set has been successfully loaded into the Active Correlation Technology engine. The engine is ready to receive events.

Explanation: No additional information is available for this message.

ACTEN0026W The rule set has been successfully loaded into the Active Correlation Technology engine, but some rules cannot be activated.

Explanation: The Active Correlation Technology engine is ready to receive events, but the rules that cannot be activated cannot process events.

Administrator Response: Review the log, and correct the errors that prevented the rules from being activated.

ACTEN0027E An error occurred in the exception listener that was supplied to the Active Correlation Technology engine.

Explanation: The Active Correlation Technology engine sent an error to be handled by other software, and that software generated an error.

System action: The error is logged, and processing continues.

Administrator Response: Contact IBM Software Support.

Programmer response: Correct the software to prevent it from throwing exceptions from its IEngineExceptionListener implementation.

ACTEN0028E The IEngineExceptionListener interface that was supplied to the Active Correlation Technology engine is not valid.

Explanation: Software is attempting to provide an unacceptable error handling routine to the Active Correlation Technology engine.

Administrator Response: Contact IBM Software Support.

Programmer response: Provide a non-null IEngineExceptionListener interface to the Active Correlation Technology IEngine interface.

ACTEN0029E The Active Correlation Technology engine cannot create the following requested timer implementation: *class_name*.

Explanation: The Active Correlation Technology engine cannot create the requested timer implementation and therefore cannot use it.

Administrator Response: Determine whether the cause is a configuration problem, such as an incorrect class name or class path or a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEN0031E An error occurred in forwarding an event to the *node_name* node using the forwardOnCompletion() method.

Explanation: The specified node cannot be found in the rule set.

Administrator Response: Contact the rule writer.

Programmer response: Verify that the name is correct, that the node should be present, and that the node has not been removed.

ACTEN0032E An unexpected error occurred during activation of the *rule_name* rule.

Explanation: After rules are loaded, they are scheduled for activation. An unexpected error occurred during this process. This error affects only one rule and does not prevent other rules from being scheduled for activation.

System action: The error is logged, and processing continues. After all rules have been scheduled, all errors are reported.

Administrator Response: Contact IBM Software Support.

ACTEN0033E The following object has already been scheduled by the timer feature of the Active Correlation Technology engine: *object*.

Explanation: An attempt was made to schedule an operation to be run in the future, but that operation has already been scheduled.

System action: The scheduling request is ignored, this error is generated, and processing continues.

Administrator Response: Contact IBM Software Support.

ACTEN0034I The *timer_name* timer has started.

Explanation: No additional information is available for this message.

ACTEN0035I The *timer_name* timer has shut down.

Explanation: No additional information is available for this message.

ACTEN0036E The timer feature of the Active Correlation Technology engine encountered an unexpected error.

Explanation: The Active Correlation Technology engine did not handle or generate an error correctly.

System action: The error is logged, and the Active Correlation Technology engine continues to run.

Administrator Response: Contact IBM Software Support.

ACTEN0037E The *rule_name* rule encountered an error during the processing of an event.

Explanation: During the processing of an event, the Active Correlation Technology engine encountered an error that is related to the specified rule.

System action: Some processing of the current event within this rule might have been skipped. The Active Correlation Technology engine continues to process the event through the rest of the rule set.

Administrator Response: Review the error logs for the cause of the error.

ACTEN0038E An expression in the *rule_name* rule tried to deactivate that rule.

Explanation: An expression in the specified rule tried to deactivate that rule. An expression may not use the deactivate() method to change the state of the rule in which it is running.

Administrator Response: Contact the rule writer.

Programmer response: Verify that the rule name is

correct in the deactivate() method.

ACTEN0039E An expression in the *rule_name* rule tried to activate that rule.

Explanation: An expression in the specified rule tried to activate that rule. An expression may not use the activate() method to change the state of the rule in which it is running.

Administrator Response: Contact the rule writer.

Programmer response: Verify that the rule name is correct in the activate() method.

ACTEW0001E The requested attribute *attribute_name* is not valid. It cannot be parsed because the following part of the attribute name is not correct: *incorrect_part_of_name*.

Explanation: The syntax that is used to request the attribute is not correct.

Administrator Response: Contact the rule writer.

Programmer response: Review the relevant documentation for the correct syntax for this event format. For example, the format might be that of a Tivoli Enterprise Console event or of an event that conforms to the Common Base Event specification.

ACTEW0002E The *attribute_name* attribute cannot be obtained because the parent attribute *parent_attribute_name* is a list.

Explanation: The syntax of the attribute is incorrect. You cannot obtain multiple child attribute values when the value of a parent attribute is a list.

Administrator Response: Contact the rule writer.

Programmer response: Change the syntax of the attribute to reference only one item in the attribute list. For example, change
ExtendedDataElement.Order.LineItem to
ExtendedDataElement.Order[0].LineItem.

ACTEW0003E The following event attribute has multiple values: *attribute_name*.

Explanation: An attempt was made to get a single value for the specified event attribute, but the attribute has multiple values.

Administrator Response: Contact the rule writer.

Programmer response: For attributes with multiple values, use the get() method of the IEvent interface.

ACTEW0004E The value of the following event attribute is missing: *attribute_name*.

Explanation: An attempt was made to get a single value for the specified event attribute, but the attribute value is missing.

Administrator Response: Contact the rule writer to determine whether this is expected.

Programmer response: If possible, avoid requesting an attribute when the attribute value is missing.

ACTEX0001E No plug-in was found for the *language_name* expression language.

Explanation: The Active Correlation Technology compiler does not recognize the specified expression language.

Operator response: Verify the spelling of the expression language name, and verify that the specified expression language should be supported. Also check for any problems with the class path, and verify the configuration (for example, program permissions and access rights to the file system). If the problem persists, contact IBM Software Support.

ACTEX0002E The compiler cannot create the *plugin_name* plug-in that is needed for the *language_name* expression language.

Explanation: The compiler cannot create or start the required expression language plug-in.

Operator response: Verify the spelling of the expression language name, and verify that the specified expression language should be supported. Also check for any problems with the class path, and verify the configuration (for example, program permissions and access rights to the file system). If the problem persists, contact IBM Software Support.

ACTEX0003E An error occurred at line number *line_number* in the generated source file. The compiler message is: *message*

Explanation: An error occurred during the parsing of an expression. Although the exact location of the error cannot be determined, the line number of the error in the generated source file is given.

Operator response: Contact the rule writer about the expression code. Contact IBM Software Support about the parsing problem.

Programmer response: Correct the expression code. If the error location is difficult to determine, review the logs, which include the generated source file.

ACTEX0004E An error occurred at line number *line_number* in the rule set file. The error is in the following code on line *line_count* of the expression: *line_content*. The compiler message is the following: *message*

Explanation: The following information is provided for troubleshooting:

- The line number of the error in the rule set file.
- The line number of the error within the expression, in relation to the start of the expression.
- The specific expression code that caused the error.
- The specific error message for this line of code.

Operator response: Contact the rule writer about the expression code.

Programmer response: Correct the expression in the rule set file.

ACTEX0005E The Active Correlation Technology compiler cannot find the following template into which expression code is to be embedded: *file_name*.

Explanation: Expression language plug-ins must provide a location for the templates into which the respective expression code is to be embedded. The plug-in either did not provide a location or did not provide a valid location.

Operator response: Contact IBM Software Support.

ACTEX0006E The expression template at the following URL cannot be read: *url*.

Explanation: Expression language plug-ins must provide a URL for the templates into which the respective expression code is to be embedded. The template at the specified URL cannot be read.

Administrator Response: Verify that the class path is correct, and verify the configuration (for example, program permissions and access rights to the file system). If the problem persists, contact IBM Software Support.

ACTEX0007E The following value of the name attribute for a variable is not valid: *incorrect_value*.

Explanation: A variable name has these restrictions:

- It can include only the following characters:
 - Uppercase ASCII Latin letters A-Z. The Unicode representation is u0041-u005a.
 - Lowercase ASCII Latin letters a-z. The Unicode representation is u0061-u007a.
 - The ASCII underscore (_). The Unicode representation is u005f.

- The dollar sign (\$). The Unicode representation is u0024.
 - The ASCII digits 0-9. The Unicode representation is u0030-u0039.
- It cannot be an empty string.
 - It cannot contain any blank spaces.
 - It cannot contain a period.
 - It cannot start with act_ in any form (not in uppercase, lowercase, or mixed case).

Operator response: Correct the value of the name attribute for the variable, and update any expression code that references the variable to use the new name.

ACTEX0008E The data type for the variable *variable_name* cannot be changed from the type *type* to the type *type*.

Explanation: The expression code tried to change the data type of the specified variable to a type that is incompatible with the type that is defined by the rule set file.

Administrator Response: Contact the rule writer.

Programmer response: Correct the expression code by setting the data type for the variable to a compatible type.

ACTEX0009E An unhandled error was detected in the expression at location *location*:

Explanation: The Active Correlation Technology engine detected an error that the expression code has not handled.

Administrator Response: Contact the rule writer.

Programmer response: Change the expression code to either handle the exception or prevent the exception from occurring.

ACTEX0010E An unexpected filtering predicate expression ran at location *location*.

Explanation: A miscommunication has occurred between the Active Correlation Technology engine and compiler.

Administrator Response: Contact IBM Software Support.

ACTEX0011E The expression at location *location* cannot run because index *index_number* does not exist.

Explanation: A miscommunication has occurred between the Active Correlation Technology engine and compiler.

Administrator Response: Contact IBM Software Support.

ACTEX0012E The expression at location *location* cannot run because index *index_number* does not exist.

Explanation: A miscommunication has occurred between the Active Correlation Technology engine and compiler.

Administrator Response: Contact IBM Software Support.

ACTEX0013E The Active Correlation Technology compiler cannot associate the compiled *class_name* class to the *node_name* node.

Explanation: The Active Correlation Technology compiler cannot associate expressions to the configured node.

Operator response: Contact IBM Software Support.

ACTEX0014E The Active Correlation Technology compiler cannot read the compiled *class_file_name* class file that is required for the *node_name* node.

Explanation: The Active Correlation Technology compiler cannot read a temporary file that is required to generate expressions.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0015E The Active Correlation Technology compiler cannot instantiate the compiled *class_name* class that is required for the *node_name* node.

Explanation: The Active Correlation Technology compiler cannot load or instantiate a Java class file that is required for processing.

Operator response: Determine whether the cause is a configuration problem, such as a problem with the class path or with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0016E The Active Correlation Technology compiler cannot create the Java source file *file_name* that is required for generating expressions.

Explanation: The Active Correlation Technology compiler cannot create a temporary file that is required to generate expressions.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0017E The Active Correlation Technology compiler cannot compile one or more expressions.

Explanation: Some expressions in the rule set file contain errors. For each error, the log indicates the affected line number in the rule set file.

Operator response: Contact the rule writer.

Programmer response: Review the errors, correct the syntax, and compile the rule set again.

ACTEX0018I The following Java file was created:

```
//Start of java file
java_file_content
//End of java file
```

Explanation: This is an internal Java file that was generated by the Active Correlation Technology compiler from the expressions in the rule set file. This is only an informational message, but it can help in locating errors within expressions.

ACTEX0019E The following errors from the Java compiler cannot be parsed:

```
list_of_errors
```

Explanation: The Active Correlation Technology compiler cannot parse the error output of the Java compiler.

Operator response: Contact the rule writer about the expression code. Contact IBM Software Support about the parsing problem.

Programmer response: Review and correct the expression code errors.

ACTEX0020W A warning message was detected at line number *line_number* in the rule set file. The warning message is in the following code on line *line_count* of the expression: *line_content*. The compiler message is the following:
compiler_message

Explanation: The following information is provided for troubleshooting:

- The line number of the warning message in the rule set file.
- The line number of the warning message within the expression, in relation to the start of the expression.
- The specific expression code that caused the warning message.
- The specific warning message for this line of code.

Operator response: Contact the rule writer.

Programmer response: Correct the expression code to prevent the warning message.

ACTEX0021E The system cannot create the following temporary file: *file_name*.

Explanation: The system cannot create the specified file that is used to manage expressions.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0022E The system cannot write to the following temporary file: *file_name*.

Explanation: The system cannot write to the specified file that is used to manage expressions.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0023E The Active Correlation Technology compiler cannot communicate with the external Java compiler.

Explanation: Errors in communication occurred between the Active Correlation Technology compiler and the configured external Java compiler.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0024E The Active Correlation Technology compiler cannot communicate with the Java compiler of the Eclipse JDT.

Explanation: Errors in communication occurred between the Active Correlation Technology compiler and the Java compiler of the Eclipse Java Development Tools (JDT).

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTEX0025E The Active Correlation Technology compiler cannot communicate with the Java compiler for the built-in tools.

Explanation: Errors in communication occurred between the Active Correlation Technology compiler and the Java compiler that is typically located in the tools.jar file.

Operator response: Determine whether the cause is a configuration problem, such as a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

ACTRP0001E The *compiler_name* compiler cannot be initialized. The properties are: *property_list*

Explanation: The specified Active Correlation Technology compiler cannot be initialized. The properties that were supplied to the compiler are listed for reference in troubleshooting this problem.

Operator response: Verify that the Active Correlation Technology compiler is installed correctly. If you cannot resolve the problem, contact IBM Software Support.

ACTRP0002E The *compiler_name* compiler cannot be configured. The properties are: *property_list*

Explanation: The specified Active Correlation Technology compiler cannot be configured because the properties that were supplied to the compiler are not valid. These properties are listed for reference.

Operator response: Verify that the Active Correlation Technology compiler is installed correctly. If you cannot resolve the problem, contact IBM Software Support.

ACTRP0003E The compiler did not expect the following language element: *element_name*.

Explanation: The Active Correlation Technology compiler did not expect the specified language element. Typically, the cause is that the XML schema on which this compiler is designed does not match the schema that is being used to validate the XML code.

Operator response: Contact IBM Software Support.

ACTRP0004E The compiler cannot parse the following language element: *element_name*.

Explanation: The Active Correlation Technology compiler cannot parse the start tag of the specified language element.

Operator response: Verify that the language element is valid. If the problem persists, contact IBM Software Support.

ACTRP0005E The compiler cannot parse the following language element: *element_name*.

Explanation: The Active Correlation Technology compiler cannot parse the end tag of the specified language element.

Operator response: Verify that the language element is valid. If the problem persists, contact IBM Software Support.

ACTRP0007E The compiler cannot parse the rule set file. The following information identifies the origin of this error: System ID is *system_ID*. Line number is *line_number*. Column number is *column_number*. Following is the message: *message*

Explanation: The Active Correlation Technology compiler cannot parse the rule set file due to a syntax error in the specified location.

Operator response: Correct the syntax error.

ACTRP0008W The compiler issued a warning. The following information identifies the origin of this warning: System ID is *system_ID*. Line number is *line_number*. Column number is *column_number*. Following is the message: *message*

Explanation: The Active Correlation Technology compiler cannot parse the rule set file due to a syntax error in the specified location.

Operator response: Refer to the specified location in the rule set file, and correct the problem.

ACTRP0009W The *rule_name* rule contains no rule response actions.

Explanation: The specified rule contains no rule response actions.

Operator response: This warning might not indicate a problem, but verify that the rule writer's intention is to code no rule response actions.

ACTRP0010E The *rule_name* rule cannot have multiple instances because the <groupingKey> element is not valid for this rule.

Explanation: The <groupingKey> element is valid only for certain rule patterns. The specified rule is not defined by a rule pattern that supports the <groupingKey> element.

Operator response: Contact IBM Software Support.

ACTRP0011E The following value of the unit attribute is not valid: *time_unit*.

Explanation: The specified unit of time for the time interval is not valid.

Operator response: Use a valid value for the unit attribute.

ACTRP0012E The rule set file contains a syntax error at the following location: Starting line number is *starting_line_number*. Starting column number is *starting_column_number*. Ending line number is *ending_line_number*. Ending column number is *ending_column_number*.

Explanation: The Active Correlation Technology compiler detected a syntax error at the specified location in the rule set file.

Operator response: Correct the syntax error.

ACTRP0013E The compiler cannot read the rule set file.

Explanation: The Active Correlation Technology compiler cannot read or cannot interpret the rule set file.

Administrator Response: If you cannot determine the cause, contact IBM Software Support.

ACTRP0015E An element that is contained by the *node_name* node has the following name attribute value that is not valid: *incorrect_value*.

Explanation: The name of a rule set, rule block, rule, or variable has these restrictions:

- The name cannot be null.
- The name cannot be an empty string.
- The name cannot contain any blank spaces.
- The name cannot contain a period.

Operator response: Use a valid value for the name attribute on the element.

ACTRP0017E The value of the duration or unit attribute on the <timeInterval> element is missing or incorrect. The current value of the duration attribute is *duration*. The current value of the unit attribute is *unit_of_time*.

Explanation: The <timeInterval> element is contained by the <timeWindow> element for the rule. The duration for the time interval must be a positive integer, and the unit of time must be a valid value.

ACTRP0018E For the *node_name* node, the following value of the name attribute for a variable is not valid: *incorrect_value*.

Explanation: A variable name has these restrictions:

- It can include only the following characters:
 - Uppercase ASCII Latin letters A-Z. The Unicode representation is u0041-u005a.

- Lowercase ASCII Latin letters a-z. The Unicode representation is u0061-u007a.
- The ASCII underscore (_). The Unicode representation is u005f.
- The dollar sign (\$). The Unicode representation is u0024.
- The ASCII digits 0-9. The Unicode representation is u0030-u0039.
- It cannot be an empty string.
- It cannot contain any blank spaces.
- It cannot contain a period.
- It cannot start with act_ in any form (not in uppercase, lowercase, or mixed case).

Operator response: Correct the value of the name attribute for the variable in the specified node.

ACTRP0019E The deactivation time for the rule occurs before the activation time.

Explanation: The stop time for the activation interval cannot be before the start time.

Operator response: Change the deactivation time to occur after the activation time.

ACTRP0020E *java_type* is not a valid data type for the variable that holds the computed threshold value.

Explanation: The data type of the variable that holds the computed threshold value that is returned from the computed threshold expression must be one of these types:

- java.lang.Double
- java.lang.Float
- java.lang.Integer
- java.lang.Long
- java.lang.String

The value of the assignTo attribute on the <computedThreshold> element identifies this variable.

Operator response: Either change the data type of the variable that holds the computed threshold value, or assign the computed threshold value to another variable.

ACTRP0021E The compiler cannot convert the following string value into the *java_type* data type, which is the data type for the *variable_name* variable: *string_value*

Explanation: The value of the threshold attribute on the <computedThreshold> element cannot be converted to the data type of the variable that is identified by the assignTo attribute.

Operator response: Either change the data type of the variable that holds the computed threshold value, or

change the value of the threshold attribute.

ACTRP0022E The *rule_name* rule contains an <activationByGroupingKey> element but no <groupingKey> element.

Explanation: If a rule contains an <activationByGroupingKey> element, it must also contain a <groupingKey> element.

Operator response: Either remove the <activationByGroupingKey> element from the specified rule, or add a <groupingKey> element.

ACTRP0023E The following part of the duration attribute value *duration_attribute_value* is not correct: *incorrect_part_of_value*

Explanation: The specified part of the duration attribute value is not correct. The typical cause is that the specified part is not a positive integer or is too large.

Operator response: Specify a valid value for the duration attribute.

ACTRP0024E The *rule_name* rule cannot contain more than one event selector.

Explanation: The specified rule cannot contain more than one event selector, but multiple event selectors have been coded.

Operator response: Code only one event selector for the specified rule.

ACTRP0025E The *rule_response* rule response is not valid for a rule that is defined by the *rule_pattern* pattern.

Explanation: The specified rule pattern does not support the specified rule response. For example, an onTimeout rule response is not valid for a rule that is defined by the filter pattern.

Operator response: Remove the specified rule response from the code. Use a response that is valid for the specified rule pattern.

ACTRP0026W The line and column numbers of rule set errors might not be accurately reported.

Explanation: The XML parser that is used by the Active Correlation Technology compiler has not returned a locator object. The locator object is used to accurately report error locations (line and column numbers) during the parsing of the rule set. Therefore, without this locator object, the line and column numbers of rule set errors might not be accurately reported.

Operator response: Verify that the XML parser that is

being used by the Active Correlation Technology compiler is supported. If the problem persists, contact IBM Software Support.

ACTRP0027E The XML parser has not been initialized.

Explanation: The XML parser that is used by the Active Correlation Technology compiler has not been initialized.

Operator response: Obtain a new Active Correlation Technology compiler object. If the problem persists, contact IBM Software Support.

ACTRP0028E The compiler cannot parse objects of the following type: *type*.

Explanation: An object of the wrong type was provided to the parse() method of the Active Correlation Technology compiler.

Programmer response: Provide the Active Correlation Technology compiler with an object of the correct type.

ACTRP0029E The compiler cannot parse the *element_name* element.

Explanation: The Active Correlation Technology compiler cannot parse the specified element.

Operator response: Review the logs for the cause of this error. If the error is due to the expression code, correct the code. Otherwise, contact IBM Software Support.

ACTRP0030E The compiler cannot parse the *element_name* element.

Explanation: The Active Correlation Technology compiler cannot parse the specified element.

Operator response: Review the logs for the cause of this error. If the error is due to the expression code, correct the code. Otherwise, contact IBM Software Support.

ACTRP0031E The following is not a valid arrivalOrder value for a sequence rule: *value*.

Explanation: The valid arrivalOrder values are inOrder and randomOrder.

Operator response: Code a valid arrivalOrder value.

ACTRP0032E The following is not a valid timeIntervalMode value for the event count threshold of a threshold rule: *value*.

Explanation: The valid timeIntervalMode values are fixed and sliding.

Operator response: Code a valid timeIntervalMode value.

ACTRP0033E The *node_name* node already contains a variable named *variable_name*.

Explanation: Each variable name within a node must be unique.

Operator response: Change the name of one of the variables, and update the corresponding expression code to use the new variable name.

ACTRP0034E The following variable name is not present in the rule set: *variable_name*.

Explanation: The specified variable name, which is the current value of an assignTo attribute, is not present in the rule set.

Operator response: Verify that the variable name is correct and that the variable should be present.

ACTRP0035E The Active Correlation Technology compiler factory cannot create the following requested parser implementation: *class_name*.

Explanation: The Active Correlation Technology compiler factory cannot create the requested parser implementation.

Administrator Response: Determine whether the cause is a configuration problem, such as an incorrect class name or class path or a problem with access rights to the file system. If the problem persists, contact IBM Software Support.

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