

System Events

This appendix lists and describes the system events recognized by Content Server. You can use an Audit method to register any of these events for auditing. You can also use a Register method to register to receive an Inbox notification for any of these events.

API Events

[Table B-1, page B-457](#) lists the events arising from API methods. (Events arising from methods that are specific to workflows are listed separately in [Table B-2, page B-460.](#))

Table B-1. Events Arising From API Methods

Event	Target Object Type	Event Description	Trigger
dm_all (or all)	0 or omitted	All	All auditable events in Docbase
	dm_sysobject		Any event on any Sysobject or the specified Sysobject
dm_adddigisignature	dm_sysobject	Add Digital Signature	Execution of the Adddigisignature method. Note: Adddigisignature methods are always audited. It is not possible to unregister this event.
dm_addeisignature	dm_sysobject	Add Electronic Signature	Execution of the Addeisignature method. Addeisignature methods are always audited and the entries are always signed by Content Server. It is not possible to modify this behavior.
dm_addrendition	dm_sysobject	Add Rendition	Addition of a rendition to an object.

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Event	Target Object Type	Event Description	Trigger
dm_addnote	dm_sysobject dm_process	Add Note	Addition of a note to a SysObject. When the target object is a process object, the SysObject is in a workflow package.
dm_appendpart	dm_sysobject	Apend to Virtual Document	Addition of a component to a virtual document
dm_archive	dm_sysobject	Archive Objects	Execution of an Archive method
dm_assemble	dm_sysobject	Assemble Virtual Document	Execution of Assemble method
dm_assume	dm_user	Assume User	Execution of Assume method
dm_audit	all object types	Audit Event	Execution of Audit method. Note: Audit methods are always audited. It isn't possible to unregister this event.
dm_authenticate	dm_user	Authenticate User	Execution of Authenticate method
dm_branch	dm_sysobject	Branch Version	Execution of Branch method
dm_checkin	dm_sysobject	Checkin Object	Execution of Checkin method
dm_checkout	dm_sysobject	Checkout Object	Execution of Checkout method
dm_connect	dm_user	Logon	Execution of Connect method
dm_destroy	dm_sysobject dm_acl dm_user dm_group	Destroy Object	Execution of Destroy method
dm_disassemble	dm_sysobject	Disassemble Virtual Document	Execution of Disassemble method
dm_disconnect	dm_user	Logoff	Execution of Disconnect method
dm_fetch	dm_sysobject	Fetch Object	Execution of Fetch method
dm_freeze	dm_sysobject	Freeze Object	Execution of Freeze method
dm_getfile	dm_sysobject	View/Export	Occurs when a document is viewed or exported or when the following methods are executed: Getcontent and Getpath.
dm_getlogin	dm_user	Get Login	Execution of Getlogin method
dm_insertpart	dm_sysobject	Insert into Virtual Document	Execution of an Insertpart method
dm_install	dm_policy dm_process dm_activity	Install	Execution of an Install method
dm_invalidate	dm_process dm_activity	Invalidate	Execution of an Invalidate method

Event	Target Object Type	Event Description	Trigger
dm_kill	not applicable	Kill Session	Execution of a Kill method Note: You cannot audit a Kill method that flushes the cache.
dm_link	dm_sysobject	Link To	Execution of a Link method
dm_lock	dm_sysobject	Lock Object	Execution of a Lock method
dm_logon_failure	dm_user	Logon Failure	User attempts to Connect using invalid credentials.
dm_mark	dm_sysobject	Add Version Label	Execution of a Mark method
dm_prune	dm_sysobject	Prune Versions	Execution of a Prune method
dm_purgeaudit	dm_audittrail dm_audittrail_acl dm_audittrail_group	Purge Audit	Execution of a Destroy method or PURGE_AUDIT administration method to remove audit trail entries Purging an audittrail entry is always auditing. It is not possible to unaudit this event.
dm_removecontent	dm_sysobject	Remove Content	Execution of a Removecontent method
dm_removenote	dm_sysobject dm_process	Remove Note	Execution of a Removenote method
dm_removepart	dm_sysobject	Remove from Virtual Document	Execution of a Removepart method
dm_removerendition	dm_sysobject	Remove Rendition	Execution of a Removerendition method
dm_restore	dm_sysobject	Restore Object	Execution of a Restore method
dm_save	dm_sysobject dm_acl dm_group dm_user	Save Object	Execution of a Save method. Note: For new objects, Content Server stores the value Create in the audit trail attribute string_1. For existing objects, the value in the attribute is Save.
dm_saveasnew	dm_sysobject dm_acl	Copy Object	Execution of a Saveasnew method
dm_setfile	dm_sysobject	Set Content	Execution of the following methods: Appendcontent Appendfile Bindfile Insertfile Insertcontent Setcontent Setpath
dm_setoutput	dm_process	Setoutput	Execution of a Setoutput method.
dm_signoff	dm_sysobject	Signoff	Execution of Signoff method Note: Signoff methods are always audited. It isn't possible to unregister this event.

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Event	Target Object Type	Event Description	Trigger
dm_unaudit	all object types	Unaudit Event	Execution of an Unaudit method Note: Unaudit methods are always audited. It isn't possible to unregister this event.
dm_unfreeze	dm_sysobject	Unfreeze Object	Execution of an Unfreeze method
dm_uninstall	dm_policy dm_process dm_activity	Uninstall	Execution of an Uninstall method
dm_unlink	dm_sysobject	Unlink From	Execution of an Unlink method
dm_unlock	dm_sysobject	Cancel Checkout	Execution of an Unlock method
dm_unmark	dm_sysobject	Remove Version Label	Execution of an Unmark method
dm_updatepart	dm_sysobject	Update in Virtual Document	Execution of an Updatepart method
dm_validate	dm_policy dm_process dm_activity	Validate	Execution of a Validate method

Workflow Events

Table B–2, page B–460 lists the events specific to workflows. Note that several API events listed in the previous table are also applicable to workflows.

Table B–2. Workflow Events

Event	Target Object Type	Event Description	Trigger
dm_all_workflow	dm_process (or not included)	All Workflow Events	All events on workflows generated from the specified process object or all events in the Docbase Note: This does not include dm_validate, dm_install, dm_invalidate, and dm_uninstall events.
dm_abortworkflow	dm_process	Abort Workflow	Aborting a workflow
dm_addpackage	dm_process	Add Workflow Package	Execution of an Addpackage method
dm_autotransactivity	dm_process	Automatic Workflow Activity Transition	An automatic activity transition occurs

Event	Target Object Type	Event Description	Trigger
dm_changedactivityinstancestate	dm_process	Change Workflow Activity to Failed State	An automatic activity changes state because the error handling flag is set to zero and the work item returns a non-zero value.
dm_changepriority-workitem	dm_process	Change Workitem Priority	The priority value of a work item is changed at runtime.
dm_changestateactivity	dm_process	Change Workflow Activity State	An activity instance changes state to a state other than failed or changes state due to an automatic transition.
dm_changestateprocess	dm_process	Change Workflow Template State	A process definition changes state
dm_changestatework-flow	dm_process	Change Workflow State	A workflow changes state by a method other than a Save, Execute, or Abort.
dm_changeworkflow-supervisor	dm_process	Change Workflow Supervisor	Execution of a Setsupervisor method
dm_completedworkitem	dm_process	Complete Workitem	Execution of a Complete method
dm_createworkflow	dm_process	Create Workflow	A workflow is created.
dm_delegatedworkitem	dm_process	Delegate Workitem	A work item is delegated.
dm_finishworkflow	dm_process	Finish Workflow	A workflow is terminated.
dm_portselect	dm_process	Select Workflow Port	Selection of output ports by a user or Content Server upon completion of an activity. Note: This event is not triggered if the activity has a transition type of prescribed.
dm_removepackage	dm_process	Remove Workflow Package	A package is removed from a workflow
dm_repeatworkitem	dm_process	Repeat Workflow Work Item	A work item is repeated.
dm_selectedworkitem	dm_process	Select Workitem	A work item is acquired.
dm_startworkflow	dm_process	Start Workflow	A workflow is started.
dm_startedworkitem	dm_process	Start Workitem	A work item is generated.

Lifecycle Events

[Table B-3, page B-462](#) lists the events specific to lifecycles.

Table B-3. Lifecycle Events

Event	Target Object Type	Event Description	Trigger
dm_bp_attach	dm_sysobject	Attach Lifecycle	Attaching a lifecycle to an object
dm_bp_demote	dm_sysobject	Demote from Lifecycle State	Demoting an object from a lifecycle state
dm_bp_promote	dm_sysobject	Promote to Lifecycle State	Promoting an object to a lifecycle state
dm_bp_resume	dm_sysobject	Resume Lifecycle	Resuming an object's suspended lifecycle
dm_bp_suspend	dm_sysobject	Suspend Lifecycle	Suspending an object's lifecycle