Event Handlers

Creating an event handler in Blesta consists of merely filling in a stubbed callback method, or returning an array of callbacks from a plugin's getEvents() method. Blesta offers a number of events that are automatically triggered when needed. The default handlers for these events may be found in the /installd ir/core/Util/Events/Observers/ directory (/installdir/components/events/default/ in the old system). You can paste your event handler code directly into any of the default handler methods, or more preferably, create a plugin to handle the event.

Events



Create a Plugin to Handle these Events

Any plugin can register an event handler. To see how, check out the Plugin Events section of this manual.



Deprecated Handlers

As of v4.3.0 all of the old event handlers from the Events component (under /installdir/components/events/default/) have been deprecated. It is highly recommended that you update your custom events to use the new namespaced event system.

If your plugin uses any of the events below, you need only be sure that your event handler support the deprecated **EventObject** event as well as the new \Blesta\Core\Util\Events\Common\EventInterface event.



Refetching Data

When using data from events (especially add events), you may find that certain fields are not available. It is often useful to refetch data using one of [Model]::get() methods rather than using something like vars.

Event	Triggered When	Default Event Handler	Parameters	Returns	Since
Appcontrol ler. preAction	A URI is requested	\Blesta\Core\Ut il\Events\Obser vers\AppContro Iler::preAction() Deprecated: EventsAppCont rollerCallback::	void	void	3.0
Appcontrol ler. structure	A URI is requested without AJAX	preAction() \Blesta\Core\Ut in\Events\Obser vers\AppContro ller::structure() Deprecated: Events\AppCont rollerCallback:: structure()	controller - The controller being requested action - The action being requested portal - The portal in use ('admin' or 'client') get (since version 4.3) - The GET page arguments plugin (since version 4.3) - The name of the plugin in the request, if any, otherwise null	array Key/value pairs to be set as variables in the structure view. Special keys include: • head - An array of markup to set in the <head> tag • body_start - An array of markup to set just after the <body> tag • body_end - An array of markup to set just before the </body> tag</head>	3.3
CalendarE vents. addBefore	A calendar event is created	\Blesta\Core\Ut ilEvents\Obser vers\CalendarE vents:: addBefore()	vars - An array of input data which may include: company_id - The ID of the company under which this event was added staff_id - The ID of the staff member that created this event shared* - Whether or not this event is shared among other staff members of this company ititle - The title of the event url* - The URL this event is linked to start_date - The start date of the event end_date - The and date of the event all_day* - Whether or not this event spans the entire day of the start/end dates	array Key/value pairs to be set as variables in the CalendarEvents::add() method. Special keys include: • vars - An array of input data which may include: • company_id - The ID of the company under which this event was added • staff_id - The ID of the staff member that created this event • shared* - Whether or not this event is shared among other staff members of this company • title - The title of the event • url* - The URL this event is linked to • start_date - The start date of the event • end_date - The end date of the event • all_day* - Whether or not this event spans the entire day of the start/end dates	5.3

CalendarE vents. addAfter Deprecate d: Calenda rEvents. add	A calendar event is created	\Blesta\Core\UtillEvents\Observers\CalendarEvents:\Observers\CalendarEvents:: addAfter() Deprecated: • \Blesta\Core\UtillEvents: \Observers\CalendarEvents:: add() e EventsC alendar EventsC allback:: add()	calendar_event_id - The ID of the calendar event that was created. vars - An array of input data which may include: company_id - The ID of the company under which this event was added staff_id - The ID of the staff member that created this event shared* - Whether or not this event is shared among other staff members of this company title - The title of the event url* - The URL this event is linked to start_date - The start date of the event end_date - The end date of the event all_day* - Whether or not this event spans the entire day of the start/end dates	void	4.1
CalendarE vents. editBefore	A calendar event is updated	\Blesta\Core\Ut ifEvents\Obser vers\CalendarE vents:: editBefore()	calendar_event_id - The ID of the calendar event that was updated. vars - An array of input data which may include: company_id - The ID of the company under which this event was added staff_id - The ID of the staff member that created this event shared* - Whether or not this event is shared among other staff members of this company title - The title of the event url* - The URL this event is linked to start_date - The start date of the event end_date - The end date of the event all_day* - Whether or not this event spans the entire day of the start/end dates	array Key/value pairs to be set as variables in the CalendarEvents::edit() method. Special keys include: • vars - An array of input data which may include: • company_id - The ID of the company under which this event was added • staff_id - The ID of the staff member that created this event • shared* - Whether or not this event is shared among other staff members of this company • title - The title of the event • url* - The URL this event is linked to • start_date - The start date of the event • end_date - The end date of the event • all_day* - Whether or not this event spans the entire day of the start/end dates	5.3
CalendarE vents. editAfter Deprecate d: CalendarE vents.edit	A calendar event is updated	\Blesta\Core\UtilEvents\Observers\CalendarEvents\Observers\CalendarEvents\: - \Blesta\Core\UtilEvents\Observers\CalendarEvents\: - \Blesta\Core\UtilEvents\Observers\CalendarEvents\: - \extrm{edit}\Observers\CalendarEvents\Calendar	calendar_event_id - The ID of the calendar event that was updated. vars - An array of input data which may include:	void	4.1
CalendarE vents. deleteBefo re	A calendar event is removed	\Blesta\Core\Ut il\Events\Obser vers\CalendarE vents:: deleteBefore()	calendar_event_id - The ID of the calendar event that was removed.	void	5.3
CalendarE vents. deleteAfter Deprecate d: CalendarE vents. delete	A calendar event is removed	\Blesta\Core\Utille\text{IREvents\Observers\CalendarEvents::} delete After() Deprecated: • \Blesta\Core\Utille\text{Levents}: \text{Core\Utille\text{Utille\text{Levents}}} \text{Core\Utille\text{Levents}} \text{Ubservers\CalendarEvents::} \text{delete()} \text{eventsCalendar} \text{EventsCalendar} \text{EventsCalendar} \text{EventsCalendar} \text{LeventsCalendar}	calendar_event_id - The ID of the calendar event that was removed. old_calendar_event (since version 4.3) - An object representing the previous state of the calendar object company_id - The ID of the company under which this event was added staff_id - The ID of the staff member that created this event shared - Whether or not this event is shared among other staff members of this company title - The title of the event url - The URL this event is linked to start_date - The start date of the event end_date - The end date of the event all_day - Whether or not this event spans the entire day of the start/end dates staff_ists_name - The first name of the staff user that create the calendar event staff_last_name - The last name of the staff user that create the calendar event	void	4.1

ClientGrou ps. addBefore	A client group is created	\Blesta\Core\Ut if\Events\Obser vers\ClientGro ups:: addBefore()	vars - An array of input data which may include: name - The name of this group description - A description of this group company_id - The company ID this group belongs to color* - The HTML color that represents this group	array Key/value pairs to be set as variables in the ClientGroups::add() method. Special keys include: vars - An array of input data which may include: name - The name of this group description* - A description of this group company_id - The company ID this group belongs to color* - The HTML color that represents this group	5.3
ClientGrou ps. addAfter Deprecate d: ClientGr oups.add	A client group is created	\Blesta\Core\Ut i\lambda\text{Vevnts\Observers\ClientGro} ups::add() Deprecated: • \Blesta\Core\Uti \lambda\text{Vevnts}\Observers\ClientGro\up s::add() • \text{Events}\ClientGro\up s::add() • \text{Events}\ClientGro\up s::add() add()	client_group_id - The ID of the client group that was created. vars - An array of input data which may include: name - The name of this group description* - A description of this group company_id - The company ID this group belongs to color* - The HTML color that represents this group	void	4.1
ClientGrou ps. editBefore	A client group is updated	\Blesta\Core\Ut i\Text{i\Core\Ut} i\Text{i\Core\Ut} i\Text{i\Core\Ut} vers\ClientGro ups:: editBefore()	client_group_id - The ID of the client group that was updated. vars - An array of input data which may include: name - The name of this group description* - A description of this group company_id - The company ID this group belongs to color* - The HTML color that represents this group	array Key/value pairs to be set as variables in the ClientGroups::edit() method. Special keys include: • vars - An array of input data which may include: • name - The name of this group • description* - A description of this group • company_id - The company ID this group belongs to • color* - The HTML color that represents this group	5.3
ClientGroups. editAfter Deprecate d: ClientGroups.edit	A client group is updated	\Blesta\Core\Ut i\l'Events\Obser vers\ClientGro ups::edit() Deprecated: \(\) \Blesta\ Core\Uti \l'Events \Observ ers\Clie ntGroup s::edit() EventsC lientGro upsCall back:: edit()	client_group_id - The ID of the client group that was updated. vars - An array of input data which may include: name - The name of this group description* - A description of this group company_id - The company ID this group belongs to color* - The HTML color that represents this group dl_client_group (since version 4.3) - An object representing the previous state of the group id - The ID of this group ame - The name of this group description - A description of this group company_id - The company ID this group belongs to color- The HTML color that represents this group	void	4.1
ClientGrou ps. deleteBefo re	A client group is removed	\Blesta\Core\Ut il\Events\Obser vers\ClientGro ups:: deleteBefore()	client_group_id - The ID of the client group that was removed.	void	5.3
ClientGrou ps. deleteAfter Deprecate d: ClientGr oups. delete	A client group is removed	\Blesta\Core\Ut i\Text{i\Text{Vevnts\Observers\ClientGro}} ups::delete() Deprecated: \[\begin{array}{c} \text{Velesta\Core\Uti} \\ \text{I\Events\ClientGro} \\ \text{vers\ClientGro} \\ \text{ers\ClientGroup} \\ \text{s::} \\ \text{delete()} \\ \text{EventsC} \\ \text{lientGro} \\ \text{ups\Call intGroup} \\ \text{s::} \\ \text{delete()} \\ dele	client_group_id - The ID of the client group that was removed. dl_client_group (since version 4.3) - An object representing the previous state of the group id - The ID of this group name - The name of this group description - A description of this group company_id - The company ID this group belongs to color- The HTML color that represents this group	void	4.1
Clients. addBefore	A client is added	\Blesta\Core\Ut if\Events\Obser vers\Clients:: addBefore()	vars - An array of input data which may include: id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to status* - The status of this client	array Key/value pairs to be set as variables in the Clients::add() method. Special keys include: • vars - An array of input data which may include: • id_code - The client's reference ID code • user_id - The client's user ID • client_group_id - The client group this user belongs to • status* - The status of this client	5.3

Clients.	A client is	\Blesta\Core\Ut		void	4.1
addAfter Deprecate	added	il\Events\Obser vers\Clients:: addAfter()	client_id - The ID of the client that was added. vars - An array of input data which may include: id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to		
d: Clients. add		Deprecated:	 status* - The status of this client 		
		\Blesta\ Core\Uti I\Events \Observ			
		ers\Clie nts:: add() • EventsC			
		lientsCa Ilback:: add()			
Clients. addNoteB efore	A note is created	\Blesta\Core\Ut il\Events\Obser vers\Clients:: addNoteBefore ()	 vars - An array of input data which may include: title - The title of the note description - The description of the note stickled* - Whether this note is sticked or not 	array Key/value pairs to be set as variables in the Clients::addNote() method. Special keys include:	5.3
				vars - An array of input data which may include: title - The title of the note description - The description of the note stickled* - Whether this note is sticked or not	
Clients. addNoteAf ter	A note is created	\Blesta\Core\Ut il\Events\Obser vers\Clients::ad dNoteAfter()	 note_id - The ID of the note that was created. vars - An array of input data which may include: title - The title of the note description - The description of the note 	void	4.1
Deprecate d: Clients.		Deprecated:	 stickled* - Whether this note is sticked or not 		
addNote		\Blesta\			
		Core\Uti I\Events \Observ ers\Clie nts:: addNote			
		() • EventsC lientsCa llback:: addNote			
Clients.	A client is	() \Blesta\Core\Ut		array	5.3
createBefo re	created	il\Events\Obser vers\Clients:: createBefore()	vars - An array of input data which may include: username - The username for this user new_password - The password for this user confirm_password - The password for this user clent_group_id - The client group this user belongs to	Keyl/value pairs to be set as variables in the Clients::create() method. Special keys include: • vars - An array of input data which may include:	
			 status - The status of this client ('active', 'inactive', 'ifraud') first_name - The first name of this contact last_name - The last name of this contact title - The business title for this contact company - The company/organization this contact belongs to 	username - The username for this user new_password - The password for this user confirm_password - The password for this user client_group_id - The client group this user belongs to status - The status of this client ('active', 'inactive', 'fraud')	
			email - This contact's email address address1 - This contact's address address2 - This contact's address line two city - This contact's city (optional)	 first_name - The first name of this contact last_name - The last name of this contact title - The business title for this contact 	
			 state - The 3-character ISO 3166-2 subdivision code zip - The zip/postal code for this contact country - The 2-character ISO 3166-1 country code 	 company - The company/organization this contact belongs to email - This contact's email address address1 - This contact's address address2 - This contact's address line two 	
			 numbers - An array of number data custom - An array of custom fields in key/value format settings - An array of client settings send_registration_email - 'true' to send client welcome email, 'false' otherwise 	 city - This contact's city (optional) state - The 3-character ISO 3166-2 subdivision code zip - The zip/postal code for this contact country - The 2-character ISO 3166-1 country code 	
			idise ulierwise	 numbers - An array of number data custom - An array of custom fields in key/value format settings - An array of client settings send_registration_email - 'true' to send client welcome email, 'false' otherwise 	
Clients. createAfter	A client is created	\Blesta\Core\Ut il\Events\Obser vers\Clients::cr eateAfter()	client - An object representing the client that was created.	void	3.1
Deprecate d: Clients. create		Deprecated:			
		\Blesta\ Core\Uti I\Events \Observ			
		ers\Clie nts:: create() • EventsC			
		lientsCa Ilback:: create()			

Clients. editBefore	A client is updated	\Blesta\Core\Ut if\Events\Obser vers\Clients:: editBefore()	client_id - The ID of the client that was updated. vars - An array of input data which may include: id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to status* - The status of this client	array Key/value pairs to be set as variables in the Clients::edit() method. Special keys include: • vars - An array of input data which may include: • id_code - The client's reference ID code • user id - The client's user ID • client_group_id - The client group this user belongs to • status* - The status of this client	5.3
Clients. editAfter Deprecate d: Clients. edit	A client is updated	\Blesta\Core\Ut i\lambda\Core\Ut i\lambd	client_id - The ID of the client that was updated. vars - An array of input data which may include: id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to status* - The status of this client dd_client (since version 4.3) - An object representing the previous state of the client id - Internal ID of the group id_format - The format with which to display the ID id_value - The ID of the client to use for display id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to status - The status of this client primary_account_id - The ID of the primary payment account for this client primary_account_type - The type pf the primary payment account for this client primary_account_type - The type pf the primary payment account for this client settings - A list of client settings	void	4.1
Clients. editNoteB efore	A note is updated	\Blesta\Core\Ut il\Events\Obser vers\Clients:: editNoteBefore ()	note_id - The ID of the note that was updated. vars - An array of input data which may include: title - The title of the note description - The description of the note stickled* - Whether this note is stickled or not	array Key/value pairs to be set as variables in the Clients::editNote() method. Special keys include: • vars - An array of input data which may include: • title - The title of the note • description - The description of the note • stickled* - Whether this note is sticked or not	5.3
Clients. editNoteAf ter Deprecate d: Clients. editNote	A note is updated	\Blesta\Core\Ut i\lambda vers\Clients:ed it\NoteAfter() Deprecated: \begin{align*} \text{\text{Blesta\}} \text{\text{Core\Uti}} \text{\text{\text{Vents}}} \text{\text{Observ}} \text{\text{Core\Uti}} \text{\text{\text{Levents}}} \text{\text{\text{Observ}}} \text{\text{\text{Observ}}} \text{\text{\text{Core\Uti}}} \text{\text{\text{Int}}} \text{\text{\text{\text{Core\Uti}}}} \text{\text{\text{\text{Int}}}} \text{\tex	• note_id - The ID of the note that was updated. • vars - An array of input data which may include: • title - The title of the note • description - The description of the note • stickled* - Whether this note is sticked or not • old_client_note (since version 4.3) - An object representing the previous state of the client note • id - The ID of client note • client_id - The ID the client to which this note is assign • staff_id - The ID the staff member that created this note • title - The title of the note • description - The full description of this note • stickled - Whether to display this not on the client note • date_updated - The timestamp in UTC that the note was added • date_updated - The timestamp in UTC that the note was last updated	void	4.1
Clients. deleteBefo re	A client is removed	\Blesta\Core\Ut il\Events\Obser vers\Clients:: deleteBefore()	client_id - The ID of the client that was removed.	void	5.3
Clients. deleteAfter Deprecate d: Clients. delete	A client is removed	\Blesta\Core\\Ut ii\Events\Obser vers\Clients::de leteAfter() Deprecated: • \Blesta\ Core\\Uti \I\Events\Observ ers\Clie nts:: delete() • EventsC lientsCa liback:: delete()	client_id - The ID of the client that was removed. dl_client (since version 4.3) - An object representing the previous state of the client id - Internal ID of the group id_format - The format with which to display the ID id_value - The ID of the client to use for display id_code - The client's reference ID code user_id - The client's user ID client_group_id - The client group this user belongs to status - The status of this client primary_account_id - The ID of the primary payment account for this client primary_account_type - The type pf the primary payment account for this client settings - A list of client settings	void	4.1
Clients. deleteNote Before	A note is removed	\Blesta\Core\Ut if\Events\Obser vers\Clients:: deleteNoteBefo re()	note_id - The ID of the note that was removed.	void	5.3

		1			
Clients. deleteNote After Deprecate d: Clients. deleteNote	A note is removed	\text{VBlesta\Core\Utility} Deprecated: \text{	• note_id - The ID of the note that was removed. • old_client_note - An object representing the previous state of the client note • id - The ID of client note • client_id - The ID the client to which this note is assign • staff_id - The ID the staff member that created this note • title - The title of the note • description - The full description of this note • stickled - Whether to display this not on the client note • date_added - The timestamp in UTC that the note was added • date_updated - The timestamp in UTC that the note was last updated	void	4.1
Companie s. addBefore	A company is created	\Blesta\Core\Ut i\Events\Obser vers\Companie s::addBefore()	vars - An array of input data which may include: name - The name of the company hostname - The hostname of the company address* - The address of the company phone* - The phone number of the company fax* - The fax number of the company	array Key/value pairs to be set as variables in the Companies::add() method. Special keys include: • vars - An array of input data which may include: • name - The name of the company • hostname - The hostname of the company • address* - The address of the company • phone* - The phone number of the company • fax* - The fax number of the company	5.3
Companie s.addAfter Deprecate d: Compa nies.add	A company is created	\Blesta\Core\Uti il\Events\Obser vers\Companies: ::add\After() Deprecated: \Blesta\Core\Uti \I\Events\Observ ers\Com panies::add() \Events\Companies::add() \Events\Companies::add() \Events\Companies::add()	company_id - The ID of the company that was created. vars - An array of input data which may include: name - The name of the company hostname - The hostname of the company dadress* - The address of the company hone* - The phone number of the company fax* - The fax number of the company	void	4.1
Companie s. editBefore	A company is updated	\Blesta\Core\Ut i\Events\Obser vers\Companies ::editBefore()	company_id - The ID of the company that was updated. vars - An array of input data which may include: name - The name of the company hostname - The hostname of the company address* - The address of the company phone* - The phone number of the company fax* - The fax number of the company	array Key/value pairs to be set as variables in the Companies::edit() method. Special keys include: • vars - An array of input data which may include: • name - The name of the company • hostname - The hostname of the company • address* - The address of the company • phone* - The phone number of the company • fax* - The fax number of the company	5.3
Companie s.editAfter Deprecate d: Compa nies.edit	A company is updated	\Blesta\Core\UtilEvents\Observers\Companies: editAfter() Deprecated: \Blesta\Core\Util \Revents\Observers\Companies: edit() Events\Observers\Companies:: edit() e EventsC ompanies: escalib ack:: edit()	company_id - The ID of the company that was updated. vars - An array of input data which may include: name - The name of the company hostname - The hostname of the company dadress' - The address of the company hone' - The phone number of the company da' - The fax number of the company da' - The fax number of the company did - The ID of the company did - The ID of the company mame - The name of the company hostname - The hostname of the company diddress - The address of the company dadress - The address of the company hone - The phone number of the company fax - The fax number of the company fax - The fax number of the company	void	4.1
Companie s. deleteBefo re	A company is removed	\Blesta\Core\Ut il\Events\Obser vers\Companies ::deleteBefore()	company_id - The ID of the company that was removed.	void	5.3

Companie s. deleteAfter Deprecate d: Compa nies.delete	A company is removed	\Blesta\Core\Ut in\Events\Obser vers\Companies ::deleteAfter() Deprecated: • \Blesta\ Core\Uti \next{\Uti} \next	company_id - The ID of the company that was removed. cld_company (since version 4.3) - An object representing the previous state of the company id - The ID of the company name - The name of the company hostname - The hostname of the company ddress - The address of the company phone - The phone number of the company fax - The fax number of the company	void	4.1
Contacts. addBefore	A contact is added	\Blesta\Core\Ut i\\Events\Obser vers\Contacts:: addBefore()	vars - An array of input data which may include: client_id - The client ID this contact will be associated with user_id* - The user ID this contact belongs to if this contact has their own unique user record contact_type_id* - The type of contact contact_type_id* - The ID of the contact type if contact_type is other first_name - The first name of this contact last_name - The last name of this contact last_name - The last name of this contact company* - The company/organization this contact belongs to email - This contact's email address address1* - This contact's address address1* - This contact's address line two city* - This contact's address line two city* - The contact's contact's address line two city* - The zip/postal code for this contact country zip* - The zip/postal code for this contact country* - The 2-character ISO 3166-1 country code, required if state is given numbers* An array of phone number data	array Key/value pairs to be set as variables in the Contacts::add() method. Special keys include: • vars - An array of input data which may include: • client_id - The client ID this contact will be associated with • user_id* - The user ID this contact belongs to if this contact has their own unique user record • contact_type* - The type of contact • contact_type id* - The ID of the contact type if contact_type is other • first_name - The list name of this contact • last_name - The last name of this contact • title* - The business title for this contact • company* - The company/organization this contact belongs to email - This contact's email address • address1* - This contact's address • address2* - This contact's address line two • city* - This 2-character ISO 3166-2 subdivision code, requires country • zip* - The zip/postal code for this contact • country* - The 2-character ISO 3166-1 country code, required if state is given • numbers* An array of phone number data	5.3
Contacts. addAfter Deprecate d: Contact s.add	A contact is added	\Blesta\Core\Ut in\Events\Obser vers\Contacts:: addAfter() Deprecated: • \Blesta\ Core\Uti in\Events \Observ ers\Cont acts:: add() • EventsC ontacts Callbac k::add()	contact_id - The ID of the contact that was created. vars - An array of input data which may include: client_id - The client ID this contact will be associated with user_id* - The user ID this contact belongs to if this contact has their own unique user record contact_type* - The type of contact contact_type_id* - The ID of the contact type if contact_type is other first_name - The last name of this contact last_name - The last name of this contact last_name - The last name of this contact company* - The company/organization this contact belongs to email - This contact's address address1* - This contact's address address2* - This contact's address line two city* - This contact's city state* - The 3-character ISO 3166-2 subdivision code, requires country zip* - The zip/postal code for this contact country* - The 2-character ISO 3166-1 country code, required if state is given numbers* An array of phone number data	void	4.1
Contacts. editBefore	A contact is updated	\Blesta\Core\Ut in\Events\Obser vers\Contacts:: editBefore()	contact_id - The ID of the contact that was updated. vars - An array of input data which may include: user_id* - The user ID this contact belongs to if this contact has their own unique user record contact_type*. The type of contact contact_type_id* - The ID of the contact type if contact_type is other' first_name - The last name of this contact last_name - The last name of this contact title* - The business title for this contact company* - The company/organization this contact belongs to email - This contact's endiress address1* - This contact's address address2* - This contact's address line two city* - This contact's address line two city* - This contact's address line two city* - The 3-character ISO 3166-2 subdivision code, requires country zip* - The zip/postal code for this contact country* - The 2-character ISO 3166-1 country code, required if state is given numbers* An array of phone number data	Rey/value pairs to be set as variables in the Contacts::edit() method. Special keys include: vars - An array of input data which may include: user_id* - The user ID this contact belongs to if this contact has their own unique user record contact_type* - The type of contact contact_type_id* - The ID of the contact type if contact_type is other first_name - The first name of this contact last_name - The last name of this contact title* - The business title for this contact company* - The company/organization this contact belongs to email - This contact's email address address2* - This contact's address address2* - This contact's address line two city* - The 3-character ISO 3166-2 subdivision code, requires country zip* - The zip/postal code for this contact country* - The 2-character ISO 3166-1 country code, required if state is given numbers* An array of phone number data	5.3

Contacts. editAfter Deprecate d: Contact s.edit	A contact is updated	\Blesta\Core\Ut il\Events\Obser vers\Contacts:: editAfter() Deprecated: • \Blesta\ Core\Uti I\Events \Observ ers\Cont acts:: edit() • EventsC ontacts Callbac k::edit()	contact_id - The ID of the contact that was updated. vars - An array of input data which may include: user_id' - The user ID this contact belongs to if this contact has their own unique user record contact_type id' - The ID of the contact type if contact_type is other first_name - The first name of this contact last_name - The last name of this contact last_name - The last name of this contact ittle' - The business title for this contact title' - The business title for this contact company' - The company/organization this contact belongs to email - This contact's email address address! - This contact's address address! - This contact's address address! - This contact's address line two city' - The zontact's city state' - The zip/postal code for this contact country' zip' - The zip/postal code for this contact country' - The 2-character ISO 3166-2 subdivision code, required if state is given numbers' An array of phone number data old_contact (since version 4.3) - An object representing the previous state of the contact user_id - The user ID this contact belongs to if this contact has their own unique user record contact_type - The type of contact contact_type_name - The name or the language indentifier of the contact type contact_type_is_lang - Whether the contact type name is a language identifier contact_type_is_lang - Whether the contact type is contact ittle - The business title for this contact company - The company/organization this contact belongs to email - This contact's email address address! - This contact's address line two city - This contact's address line two	void	4.1
Contacts.	A contact is removed	\Blesta\Core\Ut il\Events\Obser	country o zip - The zip/postal code for this contact country - The 2-character ISO 3166-1 country code, required if state is given date_added - The timestamp in UTC that the contact was added contact_id - The ID of the contact that was removed.	void	5.3
re		vers\Contacts:: deleteBefore()			
Contacts. deleteAfter Deprecate d: Contact s.delete	A contact is removed	\Blesta\Core\Ut ilEvents\Obser vers\Contacts:: deleteAfter() Deprecated: • \Blesta\ Core\Uti \I\Events \Observ ers\Contacts:: delete() • EventsC ontacts: delete()	contact_id - The ID of the contact that was removed. old_contact (since version 4.3) - An object representing the previous state of the contact user_id - The user ID this contact belongs to if this contact has their own unique user record contact_type - The type of contact contact_type - The type of contact contact_type_is_lang - Whether the contact type name is a language identifier contact_type_is_lang - Whether the contact type if contact_type is contact_type if a - The ID of the contact type if contact_type is contact is their first_name - The first name of this contact last_name - The last name of this contact title - The business title for this contact company - The company/organization this contact belongs to email - This contact's email address address1 - This contact's address address2 - This contact's address address2 - This contact's address line two city - This contact's city state - The 3-character ISO 3166-2 subdivision code, requires country zip - The zip/postal code for this contact country - The 2-character ISO 3166-1 country code, required if state is given date_added - The timestamp in UTC that the contact was added	void	4.1
Emails. send	An email template is sent	\Blesta\Core\Ut il\Events\Obser vers\Emails:: send() Deprecated: EventsEmailsC allback::send()	action - The action that specifies the email group being sent options - An array of options passed to Emails::send(), which may include:	array Key/value pairs to merge with tags.	3.1
Emails. sendCuston	A non- ntemplate based email is sent	\Blesta\Core\Ut il\Events\Obser vers\Emails:: sendCustom() Deprecated: EventsEmailsC allback:: sendCustom()	options - An array of options passed to Emails::send(), which may include:	array Key/value pairs to merge with tags.	3.1

EmailVerifi cations. addBefore	An email verification is added	\Blesta\Core\Ut i\RealineEvents\Observers\EmailVerifications:: addBefore()	vars - An array of verification data including: contact_id - The ID of the contact to verify email - The email address to verify token - The email verification token verified - Whether or not the email it's verified redirect_url - The url to redirect after a successfully verification	void	
EmailVerifi cations. addAfter	An email verification is added	\Blesta\Core\Ut i\Revents\Obser vers\EmailVerif ications:: addAfter()	verification_id - The ID of the added email verification vars - An array of verification data including: contact_id - The ID of the contact to verify email - The email address to verify token - The email verification token verified - Whether or not the email it's verified redirect_url - The url to redirect after a successfully verification	void	5.5
EmailVerifi cations. editBefore	An email verification is updated	\Blesta\Core\Ut i\Levents\Obser vers\EmailVerif ications:: editBefore()	verification_id - The ID of the email verification to update vars - An array of verification data including: ontact_id - The ID of the contact to verify email - The email address to verify token - The email verification token verified - Whether or not the email it's verified redirect_url - The url to redirect after a successfully verification	void	5.5
EmailVerifi cations. editAfter	An email verification is updated	\Blesta\Core\Ut i\Events\Obser vers\EmailVerif ications:: editAfter()	verification_id - The ID of the updated email verification vars - An array of verification data including: contact_id - The ID of the contact to verify email - The email address to verify token - The email verification token verified - Whether or not the email it's verified redirect_url - The url to redirect after a successfully verification	void	5.5
EmailVerifi cations. deleteBefo re	An email verification is deleted	\Blesta\Core\Ut il\Events\Obser vers\EmailVerif ications:: deleteBefore()	verification_id - The ID of the email verification to delete	void	5.5
EmailVerifi cations. deleteAfter	An email verification is deleted	\Blesta\Core\Ut il\Events\Obser vers\EmailVerif ications:: deleteAfter()	verification_id - The ID of the deleted email verification	void	5.5
EmailVerifi cations. verifyBefore	verification is	\Blesta\Core\Ut il\Events\Obser vers\EmailVerif ications:: verifyBefore()	verification_id - The ID of the email verification to verify	void	5.5
EmailVerifi cations. verifyAfter	An email verification is verified	\Blesta\Core\Ut il\Events\Obser vers\EmailVerif ications:: verifyAfter()	verification_id - The ID of the verified email verification	void	5.5
GatewayM anager. addBefore	A gateway is added	\Blesta\Core\Ut ii\Events\Obser vers\GatewayM anager:: addBefore()	vars - An array of input data which may include: company_id - The ID of the company the gateway belongs to class - The class name for this gateway type - The type of gateway	array Key/value pairs to be set as variables in the GatewayManager::add() method. Special keys include: • vars - An array of input data which may include: • company_id - The ID of the company the gateway belongs to • class - The class name for this gateway • type - The type of gateway	5.3
GatewayM anager. addAfter	A gateway is added	\Blesta\Core\Ut i\Events\Obser vers\GatewayM anager:: addAfter()	gateway_id - The ID of the gateway that was added. vars - An array of input data which may include: company_id - The ID of the company the gateway belongs to class - The class name for this gateway type - The type of gateway	void	4.1
d: Ġatewa yManager. add		Deprecated: • \Blesta\ Core\Uti I\Events \Observ ers\Gat ewayMa nager:: add() • Events Gatewa yManag erCallba ck:: add()			
GatewayM anager. editBefore	A gateway is updated	\Blesta\Core\Ut il\Events\Obser vers\GatewayM anager:: editBefore()	gateway_id - The ID of the gateway that was updated. vars - An array of input data which may include: name - The name of the gateway class - The class name for this gateway type - The type of gateway currencies - A numerically indexed array of accepted currencies codes (ISO 4217) meta - A key/value array of meta data	array Key/value pairs to be set as variables in the GatewayManager::edit() method. Special keys include: • vars - An array of input data which may include: • name - The name of the gateway • class - The class name for this gateway • type - The type of gateway • currencies - A numerically indexed array of accepted currencies codes (ISO 4217) • meta - A key/value array of meta data	5.3
		1		I.	

GatewayM anager. editAfter Deprecate d: Gatewa yManager. edit	A gateway is updated	\Blesta\Core\Ut in\Events\Observerseller vers\\Categorian anager::editAft er() Deprecated: • \Blesta\ Core\Uti I\Events \Observ ers\\Gat eway\Ma nager::edit() • Events Gatewa yManag erCallba ck:: edit()	gateway_id - The ID of the gateway that was updated. vars - An array of input data which may include: name - The name of the gateway class - The class name for this gateway type - The type of gateway currencies - A numerically indexed array of accepted currencies codes (ISO 4217) meta - A keylvalue array of meta data old_gateway (since version 4.3) - An object representing the previous state of the gateway id - The ID of the gateway company_ld - The ID of the company this gateway is installed for name - The name of the gateway class - The class name for this gateway version - The version of the gateway type - The type of gateway meta - A list of meta data for the gateway currencies - A list of objects representing currencies supported by this gateway	void	4.1
GatewayM anager. deleteBefo re	A gateway is removed	\Blesta\Core\Ut il\Events\Obser vers\GatewayM anager:: deleteBefore()	gateway_id - The ID of the gateway that was removed.	void	5.3
GatewayM anager. deleteAfter Deprecate d: Gatewa yManager. delete	A gateway is removed	\Blesta\Core\Ut il\Events\Observers\CatewayM anager::delete After() Deprecated: • \Blesta\ Core\Uti I\Events \Observers\Gate ewayMa anager:: delete() • Events Gatewa yManag erCallba ck:: delete()	gateway, id - The ID of the gateway that was removed. old_gateway (since version 4.3) - An object representing the previous state of the gateway id - The ID of the gateway company_id - The ID of the company this gateway is installed for name - The name of the gateway class - The class name for this gateway version - The version of the gateway version - The version of the gateway meta - A list of meta data for the gateway currencies - A list of objects representing currencies supported by this gateway	void	4.1
Invoices. addBefore	An invoice is created	\Blesta\Core\Ut in\Events\Obser vers\Invices:: addBefore()	vars - An array of input data which may include: client_id - The client ID the invoice belongs to date_billed - The date the invoice goes into effect date_due - The date the invoice was closed date_closed - The date the invoice should be autodebited date_autodebit - The date the invoice should be autodebited status - 'active', 'draft', 'proforma', or 'void' currency - The ISO 4217 3-character currency code of the invoice note_public - Notes visible to the client note_private - Notes visible only to staff members lines - A numerically indexed array of line item info including: term - The term for the recurring invoice as an integer 1-65535, if blank will not be considered for a recurring invoice period - The period for the recurring invoice ('day', 'week', 'month', 'year') duration - The duration of the recurring invoice ('indefinitely' for forever or 'times' for a set number of times) duration_time - The number of times an invoice should recurrecur_date_billed - The date the next invoice will be created delivery - A numerically indexed array of delivery methods	array Key/value pairs to be set as variables in the Invoices::add() method. Special keys include: • vars - An array of input data which may include: • client_id - The client ID the invoice belongs to • date_billed - The date the invoice goes into effect • date_due - The date the invoice is due • date_closed - The date the invoice should be autodebited • date_autodebit - The date the invoice should be autodebited • status - 'active', 'draft', 'proforma', or 'void' • currency - The ISO 4217 3-character currency code of the invoice • note_public - Notes visible to the client • note_private - Notes visible only to staff members • lines - A numerically indexed array of line item info including: • term - The term for the recurring invoice as an integer 1-65535, if blank will not be considered for a recurring invoice • period - The period for the recurring invoice ('day', 'week', 'month', 'year') • duration - The duration of the recurring invoice ('indefinitely' for forever or 'times' for a set number of times) • duration_time - The number of times an invoice should recur • recur_date_billed - The date the next invoice will be created • delivery - A numerically indexed array of delivery methods	5.3
Invoices. addAfter Deprecate d: Invoices.add	An invoice is created	\Blesta\Core\Uti il\Events\Obser vers\Invoices:: addAfter() Deprecated: • \Blesta\ Core\Uti il\Events\Obser vers\Invoices:: add() • EventsI nvoices Callbac k::add()	invoice_id - The ID of the invoice created	void	3.1

Invoices. editBefore	An invoice is updated	\Blesta\Core\Ut inEvents\Observer vers\Invoices:: editBefore()	invoice_id - The ID of the invoice updated vars - An array of input data which may include: client_id - The client ID the invoice belongs to date_billed - The date the invoice goes into effect date_due - The date the invoice was closed date_closed - The date the invoice should be autodebited status - 'active', 'draft', 'proforma', or 'void' currency - The ISO 4217 3-character currency code of the invoice note_public - Notes visible to the client note_private - Notes visible only to staff members lines - A numerically indexed array of line item info including: term - The term for the recurring invoice as an integer 1-65535, if blank will not be considered for a recurring invoice period - The period for the recurring invoice ('day', 'week', 'month', 'year') duration - The duration of the recurring invoice ('indefinitely' for forever or times' for a set number of times) duration_time - The number of times) duration_time - The number of times) duration_time - The date the next invoice will be created delivery - A numerically indexed array of delivery methods	array Key/value pairs to be set as variables in the Invoices::edit() method. Special keys include: • vars - An array of input data which may include: • client_id - The client ID the invoice belongs to • date_due - The date the invoice goes into effect • date_due - The date the invoice stouch offect • date_closed - The date the invoice should be autodebited • date_autodebit - The date the invoice should be autodebited • status - 'active', 'draft', 'proforma', or 'void' • currency - The ISO 4217 3-character currency code of the invoice • note_public - Notes visible to the client • note_public - Notes visible only to staff members • lines - A numerically indexed array of line item info including: • term - The term for the recurring invoice as an integer 1-65535, if blank will not be considered for a recurring invoice • period - The period for the recurring invoice ('day', 'week', 'month', 'year') • duration - The duration of the recurring invoice ('indefinitely' for forever or 'times' for a set number of times) • duration_time - The number of times an invoice should recur • recur_date_billed - The date the next invoice will be created • delivery - A numerically indexed array of delivery methods	5.3
Invoices. editAfter Deprecate d: Invoices .edit	An invoice is updated	\Blesta\Core\Ut in\Events\Obser vers\Invoices:: editAfter() Deprecated: \(^\)\Blesta\Core\Uti \IEvents\Observ ers\Invoices:: edit() \(^\)\Events\nvoices \(^\)\Core\Uti \IEvents\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices \(^\)\Core\Uti\nvoices \(^\)\Events\nvoices	invoice_id - The ID of the invoice updated old_invoice (since version 4.3) - An object representing the previous state of the invoice id - The ID of the invoice id - The ID of the invoice id_format - The format that the ID value should be displayed in id_value - The ID for display client_id - The client ID the invoice belongs to date_billed - The date the invoice goes into effect date_due - The date the invoice was closed date_autodebit - The date the invoice should be autodebited autodebit - Whether the invoice can be autodebited autodebit - The status of the invoice (active) 'draft', 'proforma', or 'void') subtotal - The subtotal of the invoice paid - The amount the user has already paid on this invoice previous_due - The amount that was due on this invoice previous_due - The amount that was due on this invoice previous_due - The amount that was due on this invoice currency - The ISO 4217 3-character currency code of the invoice note_private - Notes visible only to staff members line_items - A list of invoice line items delivery - The delivery type for this invoice meta - A list of meta data for this invoice tax_subtotal - The total of all taxes on this invoice tax_subtotal - The total of all taxes on this invoice taxes - The taxes applied to this invoice	void	3.1
Invoices. setClosed Before	An invoice is closed	\Blesta\Core\Ut il\Events\Obser vers\Invoices:: setClosedBefor e()	• invoice_id - The ID of the invoice closed	void	5.3
Invoices. setClosed After Deprecate d: Invoices .setClosed	An invoice is closed	Blesta\Core\Ut il\Events\Observers\Invoices:: setClosedAfter() Deprecated: • \Blesta\Core\Uti I\Events\\Observers\Invoices: setClosed\(\text{ore}\) \Utili I\Events\\Observers\Invoices: setClosed() • Events\(\text{nvoices}\) \utili rvoices Callbac k:: setClosed()	invoice_id - The ID of the invoice closed old_invoice (since version 4.3) - An object representing the previous state of the invoice id - The ID of the invoice id_format - The format that the ID value should be displayed in id_format - The format that the ID value should be displayed in id_value - The ID for display client_id - The client ID the invoice belongs to date_billed - The date the invoice goes into effect date_due - The date the invoice was closed date_closed - The date the invoice should be autodebited autodebit - Whether the invoice can be autodebited autodebit - Whether the invoice ('active', 'draft', 'proforma', or 'void') subtotal - The subtotal of the invoice total - The total of the invoice paid - The amount the user has already paid on this invoice previous_due - The amount that was due on this invoice previous_due - The amount that was due on this invoice before the last time it was edited currency - The ISO 4217 3-character currency code of the invoice note_public - Notes visible to the client note_private - Notes visible to the client note_private - Notes visible only to staff members ilne_items - A list of meta data for this invoice meta - A list of meta data for this invoice tax_subtotal - The total of all taxes on this invoice tax_subtotal - The total of all taxes on this invoice	void	3.1
ModuleMa nager. addBefore	A module is installed	\Blesta\Core\Ut il\Events\Obser vers\ModuleMa nager:: addBefore()	vars - An array of input data which may include: company_id - The ID of the company the module belongs to class - The class name for this module	array Key/value pairs to be set as variables in the ModuleManager::add() method. Special keys include: vars - An array of input data which may include: company_id - The ID of the company the module belongs to class - The class name for this module	5.3

ModuleMa nager. addAfter Deprecate d: ModuleMa nager.add	A module is installed	\Blesta\Core\Ut il\Events\Observers\ModuleMa nager:: addAfter() Deprecated: \(^\)\Blesta\\Core\\Uti il\Events\\Observers\ModuleMa nager:: add() \(^\)\Events\\Module\Bar\\Anager:: add() Events\\Module\Bar\\Anager:\Anager:: add() Events\\Module\Bar\\Anager:\A	module_id - The ID of the module that was added. vars - An array of input data which may include: company_id - The ID of the company the module belongs to class - The class name for this module	void	4.1
ModuleMa nager. deleteBefo re	A module is uninstalled	\Blesta\Core\Ut il\Events\Obser vers\ModuleMa nager:: deleteBefore()	module_id - The ID of the module that was removed.	void	5.3
ModuleMa nager. deleteAfter Deprecate d: Module Manager. delete	A module is uninstalled	\Blesta\Core\Ut in\Events\Obser vers\ModuleMa nager:: deleteAfter() Deprecated: • \Blesta\ Core\Uti I\Events \Observ ers\Mod uleMan ager:: delete() • Events Module Manage rCallbac k:: delete()	module id - The ID of the module that was removed. old_module (since version 4.3) - An object representing the previous state of the module id - The ID of the module company_id - Company ID to which this module is attached name - The name of the module class - The class name for this module version - The current version of this module meta - The meta data associated with this module meta - The rows belonging to this module rows - The rows belonging to this module groups - The module row groups	void	4.1
Navigation getSearch Options	Staff search options are displayed	\Blesta\Core\Ut in\Events\Obser vers\Navigation :: getSearchOptio ns() Deprecated: Events\Navigati onCallback:: getSearchOptio ns()	options - A key/value pair of search options where each key is the URI to redirect search queries to and the value is the name of the search option. When implemented, the event handler should modify the options parameter using EventObject::setParams(). base_uri - The base URI for the currently logged in user.	void	3.0
Packages. addBefore	A package is created	\Blesta\Core\Ut i\\Events\Obser vers\Packages: :addBefore()	vars - An array of input data which may include: module_id - The ID of the module this package belongs to name - The name of the package description - The description of the package description html - The HTML description of the package, if any module_row - The module row this package belongs to module_rome - The module group this package belongs to module_rome - The module group this package belongs to taxable - Whether or not this package is taxable single_term - Whether or not services derived from this package should be canceled at the end of term status - The status of this package company_id - The ID of the company this package belongs to prorata_day - The prorated day of the month prorata_cutoff - The day of the month pro rata should cut off email_content - A numerically indexed array of email content pricing - A numerically indexed array of pricing info groups - A numerically indexed array of package group assignments option_group assignments other package field data passed to the module)	array Key/value pairs to be set as variables in the Packages::add() method. Special keys include: • vars - An array of input data which may include: • module_id - The ID of the module this package belongs to name - The name of the package • description - The description of the package • description_html - The HTML description of the package ety - The maximum quantity available in this package, if any module_row - The module group bits package belongs to module_group - The module group this package belongs to taxable - Whether or not this package is taxable • single_term - Whether or not services derived from this package should be canceled at the end of term status - The status of this package • company_id - The ID of the company this package belongs to prorata_day - The prorated day of the month • prorata_cutoff - The day of the month pro rata should cut off email_content - A numerically indexed array of pricing info • groups - A numerically indexed array of prackage group assignments • option_groups - A numerically indexed array of package option group assignments • (any other package field data passed to the module)	5.3

Packages. addAfter Deprecate d: Packag es.add	A package is created	\Blesta\Core\Ut ii\Events\Obser vers\Packages: :addAfter() Deprecated: \(\) \Blesta\ Core\Uti I\Events \Obser\ vers\Packages: :add() \(\) Events\Packages: callbac k::add()	package_id - The ID of the package that was created. vars - An array of input data which may include: nodule_id - The ID of the module this package belongs to name - The name of the package description_The description of the package description_html - The HTML description of the package qty - The maximum quantity available in this package, if any module_row - The module row this package belongs to module_group - The module group this package belongs to taxable - Whether or not this package is taxable single_term - Whether or not services derived from this package should be canceled at the end of term status - The status of this package company_id - The ID of the company this package belongs to prorata_day - The prorated day of the month or prorata_cutoff - The day of the month pro rata should cut off email_content - A numerically indexed array of pracing info groups - A numerically indexed array of package group assignments option_groups - A numerically indexed array of package option group assignments option_groups - A numerically indexed array of package option group assignments (any other package field data passed to the module)	void	4.1
Packages. editBefore	A package is updated	\Blesta\Core\Ut i\\Events\Obser vers\Packages: editBefore()	vars - An array of input data which may include: module_id* - The ID of the module this package belongs to name - The name of the package description* - The description of the package description, html* - The HTML description of the package description, html* - The HTML description of the package qty* - The maximum quantity available in this package, if any client_qty* - The maximum quantity available per client in this package, if any module_row* - The module row this package belongs to module_group* - The module group this package belongs to taxable* - Whether or not this package is taxable single_term* - Whether or not services derived from this package should be canceled at the end of term status* - The status of this package company_id - The ID of the company this package belongs to prorata_day* - The prorated day of the month prorata_cutoff* - The day of the month por rata should cut off email_content - A numerically indexed array of pricing info groups* - A numerically indexed array of package group assignments option_groups* - A numerically indexed array of package option group assignments (any other package field data passed to the module)	Array Key/value pairs to be set as variables in the Packages::edit() method. Special keys include: • vars - An array of input data which may include: • module_id* - The ID of the module this package belongs to name - The name of the package • description* - The description of the package • description* - The description of the package • description, html* - The HTML description of the package • description, html* - The HTML description of the package • description, html* - The HTML description of the package, if any • client_qty* - The maximum quantity available per client in this package, if any • module_row* - The module group this package belongs to module_group* - The module group this package belongs to taxable* - Whether or not this package derived from this package should be canceled at the end of term • status* - The status of this package • company_id - The ID of the company this package belongs to prorata_day* - The prorated day of the month • prorata_cutoff* - The day of the month pro rata should cut off email_content - A numerically indexed array of pricing info • groups* - A numerically indexed array of package group assignments • option_groups* - A numerically indexed array of package option group assignments • (any other package field data passed to the module)	5.3
Packages. editAfter Deprecate d: Packag es.edit	A package is updated	Blesta\Core\Uti \text{Vevnts\Observers\Packages:} Core\Uti Core\Uti \text{Core\Uti \te	 package_id - The ID of the package that was updated. vars - An array of input data which may include: module_id* - The ID of the module this package belongs to name - The name of the package description* - The description of the package description htm!* - The HTML description of the package qty* - The maximum quantity available in this package, if any client_qty* - The maximum quantity available per client in this package, if any module_group* - The module group this package belongs to module_group* - The module group this package belongs to module_group* - The module group this package belongs to taxable* - Whether or not services derived from this package should be canceled at the end of term status* - The status of this package company_id - The ID of the company this package belongs to prorata_day* - The prorated day of the month prorata_cutoff* - The day of the month pro rata should cut off email_content - A numerically indexed array of package group assignments option_groups* - A numerically indexed array of package group assignments option_groups* - A numerically indexed array of package option groups* - A numerically indexed array of package option groups* - A numerically indexed array of package old_package (since version 4.3) - An object representing the previous state of the package id - The ID of the package id _ The ID of the package id _ The ID of the module this package belongs to name - The name of the package description_html - The HTML description of the package description_html - The HTML description of the package description_html - The HTML description of the package belongs to name - The name of the package description_html - The HTML description of the package belongs to name - The name of the package description_html - The HTML description	void	4.1

	1	I			1
Packages. deleteBefo re	A package is removed	\Blesta\Core\Ut il\Events\Obser vers\Packages: :deleteBefore()	package_id - The ID of the package that was removed.	void	5.3
Packages. deleteAfter Deprecate d: Packag es. delete	A package is removed	NBlesta\Core\Ut iI\Events\Observers\Packages: deleteAfter()	package id - The ID of the package that was removed. old_package (since version 4.3) - An object representing the previous state of the package id - The ID of the package id of format - The format with which the ID value will be displayed id_value - The ID that will be displayed id_code - The formatted ID value module_id - The ID of the module this package belongs to name - The name of the package description - The description of the package description_html - The HTML description of the package qty - The maximum quantity available in this package, if any module_row - The module row this package belongs to taxable - Whether or not this package is taxable single_term - Whether or not services derived from this package should be canceled at the end of term status - The status of this package company_id - The ID of the company this package belongs to prorata_day - The prorated day of the month prorata_cutoff - The day of the month pro rata should cut off email_content - A numerically indexed array of email content pricing - A numerically indexed array of pricing info meta - The meta data for this package groups - A numerically indexed array of package option group assignments option_groups - A numerically indexed array of package option groups - A numerically indexed array of package option groups - A numerically indexed array of package option groups - A numerically indexed array of package option groups - A numerically indexed array of package option groups - A numerically indexed array of package option groups - A numerically indexed array of package option group assignments	void	4.1
Report. clientData	The Client Data Portability report is run	\Blesta\Core\Ut il\Events\Obser vers\Report:: clientData() Deprecated: EventsReportC allback:: clientData()	client_id - The ID of the client for which this report is being generated	array A list of data to add to the report	4.3
Services. addBefore	A service is added	\Blesta\Core\Ut i\Representation \\ i\Represen	vars - An array of input data which may include: parent_service_id* - The ID of the service this service is a child of package_group_id* - The ID of the package group this service was added from pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service qty* - The quanity consumed by this service, overriding the package pricing value for the selected term override_price* - The price to set for this service, overriding the package pricing value for the selected term override_currency* - The currency to set for this service, overriding the package pricing value for the selected term status* - The status of this service is added date_renews* - The date the service is added date_senews* - The date the service was last suspended date_suspended* - The date the service was last suspended date_canceled* - The date the service was last canceled use_module* - Whether or not to use the module for this request prorate - Whether or not to use the module for this request prorate - Whether or not to prorate price changes configoptions* - An array of key/value pairs of package options where the key is the package option ID and the value is the option value (any other service field data passed to the module) packages - An array of packages ordered along with this service to determine if the given coupon may be applied notify - True to notify the client by email regarding this service creation, false to not send any notification	Array Key/value pairs to be set as variables in the Services::add() method. Special keys include: vars - An array of input data which may include: parent_service_id* - The ID of the service this service is a child of package_group_id* - The ID of the package group this service was added from pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service qty* - The quanity consumed by this service override_price* - The price to set for this service, overriding the package pricing value for the selected term override_currency* - The currency to set for this service, overriding the package pricing value for the selected term status* - The status of this service date_added* - The date this service is added date_renews* - The date the service last renewed date_auspended* - The date the service was last suspended date_suspended* - The date the service was last suspended date_acanceled* - The date the service was last canceled use_module* - Whether or not to use the module for this request prorate - Whether or not to prorate price changes confligoptions* - An array of key/value pairs of package options where the key is the package option ID and the value is the option value (any other service field data passed to the module) packages - An array of packages ordered along with this service to determine if the given coupon may be applied notify - True to notify the client by email regarding this service	5.3

Services. addAfter A service is added Deprecate d: Service s.add	\Blesta\Core\Ut i\lambda Events\Obser vers\Services:: addAfter() Deprecated: • \Blesta\\ Core\Uti \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	service id - The ID of the service added vars - An array of input data which may include: parent_service_id* - The ID of the service this service is a child of package_group_id* - The ID of the package group this service was added from pricing_id* - The package pricing schedule ID for this service client_id* - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service qty* - The quanity consumed by this service qty* - The quanity consumed by this service, overriding the package pricing value for the selected term override_currency* - The currency to set for this service, overriding the package pricing value for the selected term status* - The status of this service date_added* - The date this service is added date_renews* - The date the service last renewed date_last_renewed* - The date the service was last suspended date_suspended* - The date the service was last suspended date_suspended* - The date the service was last suspended date_anceled* - The date the service was last canceled use_module* - Whether or not to use the module for this request	void	3.4
Services. editBefore A service is edited	\Blesta\Core\Ut i\REvents\Obser vers\Services:: editBefore()	request prorate - Whether or not to prorate price changes prorate - Whether or not to prorate price changes configoptions* - An array of key/value pairs of package options where the key is the package option ID and the value is the option value (any other service field data passed to the module) * service_id - The ID of the service edited vars - An array of input data which may include: parent_service_id* - The ID of the service this service is a child of package_group_id* - The ID of the package group this service was added from pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service qty* - The quanity consumed by this service override_price* - The price to set for this service, overriding the package pricing value for the selected term override_currency* - The currency to set for this service, overriding the package pricing value for the selected term status* - The status of this service date_added* - The date this service is added date_renews* - The date the service was last suspended date_enpended* - The date the service was last suspended date_suspended* - The date the service was last suspended date_canceled* - The date the service was last canceled use_module* - Whether or not to use the module for this request prorate - Whether or not to prorate price changes configoptions* - An array of key/value pairs of package options where the key is the package option ID and the value is the option value (any other service field data passed to the module) bypass_module - Svars[use_module] notifies the module of whether or not it should internally use its module connection to process the request, however in some instances it may be necessary to prevent the module from being notified of the request.	key/value pairs to be set as variables in the Services::edit() method. Special keys include: • vars - An array of input data which may include: • parent_service_id* - The ID of the service this service is a child of • package_group_id* - The ID of the package group this service was added from • pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service of the coupon used for this service of the coupon used for this service of the package pricing value for the selected term • override_price* - The price to set for this service, overriding the package pricing value for the selected term • override_price* - The currency to set for this service, overriding the package pricing value for the selected term • status* - The date this service • date_added* - The date this service is added • date_renews* - The date the service renews • date_last_renewed* - The date the service was last suspended • date_suspended* - The date the service was last canceled • use_module* - Whether or not to use the module for this request • prorate - Whether or not to prorate price changes • confligoptions* - An array of key/value pairs of package options where the key is the package option ID and the value is the option value • (any other service field data passed to the module) • bypass_module - Svars(use_module*) notifies the module of whether or not it should internally use its module connection to process the request, however in some instances it may be necessary to prevent the module from being notified of the request attogether. If true, this will prevent the module from being notified of the request attogether. If true, this will prevent the module from being notified of the request.	5.3

Services. editAfter	A service is edited	\Blesta\Core\Ut il\Events\Obser vers\Services:: editAfter()	service_id - The ID of the service edited vars - An array of input data which may include: parent_service_id* - The ID of the service this service is a	void	3.4
Deprecate d: Service s.edit		Deprecated: • \Blesta\ Core\\Util \Revents \Observ ers\Serv ices:: edit() • EventsS callbac k::edit()	child of package_group_id* - The ID of the package group this service was added from pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row* - The module row to add the service under coupon_id* - The ID of the coupon used for this service qty* - The quanity consumed by this service; override_price* - The price to set for this service, overriding the package pricing value for the selected term override_currency* - The currency to set for this service, overriding the package pricing value for the selected term status* - The status of this service date_added* - The date this service is added date_renews* - The date this service is added date_suspended* - The date the service was last suspended date_suspended* - The date the service was last suspended date_canceled* - The date the service was last canceled use_module* - Whether or not to use the module for this request prorate - Whether or not to prorate price changes configoptions* - An array of keylvalue pairs of package options where the key is the package option ID and the value is the option value (any other service field data passed to the module) old_service(since version 4.3) - An object representing the previous state of the service parent_service_id - The ID of the package group this service package_group_id - The ID of the package group this service was added from id_format - The format with which the ID value will be displayed id_value - The ID that will be displayed id_code - The formatted ID value pricing_id - The package pricing schedule ID for this service client_id - The ID of the coupon used for this service was assigned to coupon_id - The ID of the coupon used for this service was assigned to coupon_id - The ID of the coupon used for this service verride_price - The price to set for this service, overriding the package pricing value for the selected term status - The status of this service suspension_reason - The cate the service last renewed		
Services. cancelBef ore	A service is scheduled to be canceled, or is canceled	\Blesta\Core\Ut in\Events\Obser vers\Services:: cancelBefore()	service_id - The ID of the service canceled vars - An array of input data which may include: date_canceled - The date this service is scheduled to be canceled status - The status of the service (i.e. 'canceled') use_module - Whether or not to use the module for this request	array Key/value pairs to be set as variables in the Services::cancel() method. Special keys include: vars - An array of input data which may include: date_canceled - The date this service is scheduled to be canceled status - The status of the service (i.e. 'canceled') status - The status of the service (i.e. 'canceled') see_module - Whether or not to use the module for this request	5.3

					_
Services. cancelAfter Deprecate d: Service s.cancel	A service is scheduled to be canceled, or is canceled	\Blesta\Core\Ut in\Events\Observers\Services: cancelAfter() Deprecated: • \Blesta\ Core\Uti n\Events \Observers\Services: cancel() • EventsS ervices Callbac k:: cancel()	service_id - The ID of the service canceled vars - An array of input data which may include: date_canceled - The date this service is scheduled to be canceled status - The status of the service (i.e. 'canceled') use_module - Whether or not to use the module for this request old_service (since version 4.3) - An object representing the previous state of the service id - The ID of the service parent_service_id - The ID of the service this service is a child of package_group_id - The ID of the package group this service was added from id_format - The format with which the ID value will be displayed id_value - The ID that will be displayed id_value - The ID that will be displayed id_code - The formatted ID value pricing_id - The package pricing schedule ID for this service client_id - The ID of the client this service belongs to module_row_id - The ID of the module row this service was assigned to coupon_id - The ID of the client this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for the selected term status - The status of this service suspension_reason - The reason given (if any) for the last time this service was suspended date_renews - The date the service is added date_renews - The date the service was last canceled fields - A list of service fields package_pricing - An object representing the pricing scheme applied to this service package_pricing - An object representing the pricing scheme applied to this service package_pricing - An object representing the pricing scheme applied to this service package_pricing - An object representing the pricing scheme applied to this service package_pricing - An object representing the pricing scheme applied to this service was create from options - A list of service options name - The name of the service which is derived either from the package or the module this service belongs to	void	3.5
Services. suspendB efore	A service is suspended	\Blesta\Core\Ut i\Events\Obser vers\Services:: suspendBefore ()	service_id - The ID of the service suspended vars - An array of input data which may include: otate_suspended The date the service was suspended status - The status of the service (i.e. 'suspended') use_module - Whether or not to use the module for this request staff_id - The ID of the staff member that issued the service suspension	array Key/value pairs to be set as variables in the Services::suspend() method. Special keys include: • vars - An array of input data which may include: • date_suspended The date the service was suspended • status - The status of the service (i.e. 'suspended') • use_module - Whether or not to use the module for this request • staff_id - The ID of the staff member that issued the service suspension	5.3
Services. suspendAf ter Deprecate d: Service s.suspend	A service is suspended	Blesta\Core\Ut i/\Events\Obser vers\Services:: suspendAfter() Deprecated: \ \text{\Blesta\} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	service_id - The ID of the service suspended vars - An array of input data which may include: odate_suspended The date the service was suspended status - The status of the service (i.e. 'suspended') use_module - Whether or not to use the module for this request staff_id - The ID of the staff member that issued the service suspension old_service (since version 4.3) - An object representing the previous state of the service id - The ID of the service parent_service_id - The ID of the service this service is a child of package_group_id - The ID of the package group this service was added from id_format - The format with which the ID value will be displayed id_code - The formatted ID value pricing_id - The ID at the light state of this service cellent_id - The ID of the module row this service was assigned to coupon_id - The ID of the coupon used for this service was assigned to coupon_id - The ID of the coupon used for this service of the Journal of the package pricing value for the selected term override_price - The price to set for this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for the selected term status - The status of this service suspension_reason - The reason given (if any) for the last time this service was suspended date_last_renewed - The date the service was last suspended date_last_renewed - The date the service was last suspended date_last_renewed - The date the service was last suspended readed - A list of service fields package_pricing - A n object representing the pricing scheme applied to this service package_pricing - A n object representing the pricing scheme applied to this service readed - The date the service was last canceled fields - A list of service fields package -	void	3.5

Services. unsuspen dBefore	A service is unsuspended	\Blesta\Core\Ut il\Events\Obser vers\Services:: unsuspendBefo re()	service_id - The ID of the service unsuspended vars - An array of input data which may include: date_suspended The date the service was suspended (i.e. null) status - The status of the service (i.e. 'active') use_module - Whether or not to use the module for this request staff_id - The ID of the staff member that issued the service unsuspension	array Key/Value pairs to be set as variables in the Services::unsuspend() method. Special keys include: • vars - An array of input data which may include: • date_suspended The date the service was suspended (i.e. null) • status - The status of the service (i.e. 'active') • use_module - Whether or not to use the module for this request • staff_id - The ID of the staff member that issued the service unsuspension	5.3
Services. unsuspen dAfter Deprecate d: Service s. unsuspend	A service is unsuspended	\Blesta\Core\Ut i\l\Events\Obser vers\Services:: unsuspendAfte r() Deprecated: • \Blesta\ Core\Uti \L\Events \Observ ers\Serv ices:: unsuspe nd() • EventsS ervices Callbac k:: unsuspe nd()	service_id - The ID of the service unsuspended vars - An array of input data which may include: o date_suspended The date the service was suspended (i.e. null) status - The status of the service (i.e. 'active') use_module - Whether or not to use the module for this request staff_id - The ID of the staff member that issued the service unsuspension old_service (since version 4.3) - An object representing the previous state of the service id - The ID of the service parent_service_id - The ID of the package group this service was added from id_format - The format with which the ID value will be displayed id_value - The ID that will be displayed id_code - The formatted ID value pricing_id - The ID of the client this service belongs to collent_id - The ID of the client this service belongs to compon_id - The ID of the coupon used for this service as assigned to coupon_id - The ID of the coupon used for this service override_price - The price to set for this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for the selected term override_currency - The currency to set for this service, overriding the package pricing value for we selected term override_currency - The currency to set for this service, overriding the package pricing value for we selected term override_currency - The date the service was used the service was used and date_renews - The date the service renews date_last_renewed - The date the service was last suspended date_suspended - The date the service was last suspended date_service - Th	void	3.5
Staff. addBefore	A staff is created	\Blesta\Core\Ut in\Events\Obser vers\Staff:: addBefore()	vars - An array of input data which may include: user_id - The user ID belonging to this staff member first_name - The first name of this staff member last_name - The last name of this staff member email - The email address of this staff member email - The email address of this staff member email _mobile - The mobile email address of this staff member status' - The status of this staff member ogroups - An array of staff group IDs this staff member belongs to	array Key/value pairs to be set as variables in the Staff::add() method. Special keys include: • vars - An array of input data which may include: • user_id - The user ID belonging to this staff member • first_name - The first name of this staff member • last_name - The last name of this staff member • email - The email address of this staff member • email - The email address of this staff member • status* - The status of this staff member • groups - An array of staff group IDs this staff member belongs	5.3
Staff. addAfter Deprecate d: Staff. add	A staff is created	\Blesta\Core\Ut il\Events\Obser vers\Staff:: addAfter() Deprecated: • \Blesta\ Core\Uti i\Events \Observ ers\Staff: ::add() • EventsS taff(Callb ack:: add()	staff_id - The ID of the staff that was created. vars - An array of input data which may include: user_id - The user ID belonging to this staff member first_name - The first name of this staff member last_name - The last name of this staff member email - The email address of this staff member email_mobile - The mobile email address of this staff member status* - The status of this staff member groups - An array of staff group IDs this staff member belongs to	void	4.1

Staff. editBefore	A staff is updated	\Blesta\Core\Ut i\Events\Obser vers\Staff:: editBefore()	staff_id - The ID of the staff that was updated. vars - An array of input data which may include: user_id - The user ID belonging to this staff member first_name - The first name of this staff member last_name - The first name of this staff member email - The email address of this staff member email _mobile - The mobile email address of this staff member status* - The status of this staff member groups - An array of staff group IDs this staff member belongs to	array Key/value pairs to be set as variables in the Staff::edit() method. Special keys include: • vars - An array of input data which may include: • user_id - The user ID belonging to this staff member • first_name - The first name of this staff member • last_name - The last name of this staff member • email - The email address of this staff member • email_mobile - The mobile email address of this staff member • status* - The status of this staff member • groups - An array of staff group IDs this staff member belongs	5.3
Staff. editAfter Deprecate d: Staff. edit	A staff is updated	Blesta\Core\Util\Events\Observers\Staff:: editAfter()	staff_id - The ID of the staff that was updated. vars - An array of input data which may include: user_id - The user ID belonging to this staff member first_name - The first name of this staff member last_name - The first name of this staff member email - The email address of this staff member email _mobile - The mobile email address of this staff member status* - The status of this staff member groups - An array of staff group IDs this staff member belongs to old_staff (since version 4.3) - An object representing the previous state of the staff member id - The ID of this staff member user_id - The user ID belonging to this staff member last_name - The first name of this staff member last_name - The last name of this staff member email - The email address of this staff member status - The status of this staff member status - The status of this staff member username - The user name of this staff member two_factor_mode - Whether and how two factor authentication is being used for this staff member two_factor_pin - The two factor pin (if any) for this staff member two_factor_pin - The two factor pin (if any) for this staff member two_factor_key - The two factor key (if any) for this staff member two_factor_key - The two factor staff member belongs to settings - A list of staff settings notices - A list of notices assigned to this staff member	void	4.1
Transactio ns. addBefore	A transaction is created	\Blesta\Core\Ut i\\Events\Obser vers\\Transactio ns::addBefore()	vars - An array of input data which may include: id - The ID of this transaction client_id - The ID of the client this transaction was applied for amount - The amount this transaction was for currency - The currency of this transaction type - The transaction type (cc, ach, other) transaction_type_id - The transaction type ID (if any) account_id - The ID of the payment account (if any) associated with this transaction gateway_id - The ID of the gateway this transaction was made through attenue; gateway_name - The name of the gateway this transaction was made through gateway_type - The type of gateway this transaction was made through reference_id - The external ID stored for reference to the gateway records transaction_id - The gateway supplied transaction ID parent_transaction_id - The gateway supplied parent transaction ID status - The status of this transaction date_added - The date this transaction was received	Key/value pairs to be set as variables in the Transactions::add() method. Special keys include: • vars - An array of input data which may include: • id - The ID of this transaction • client_id - The ID of the client this transaction was applied for amount - The amount this transaction was for • currency - The currency of this transaction type ID (if any) • type - The transaction type (cc, ach, other) • transaction_type_id - The transaction type ID (if any) • account_id - The ID of the payment account (if any) associated with this transaction • gateway_id - The ID of the gateway this transaction was made through • gateway_name - The name of the gateway this transaction was made through • gateway_type - The type of gateway this transaction was made through (merchant or non-merchant) • reference_id - The external ID stored for reference to the gateway records • transaction_id - The gateway supplied transaction ID • parent_transaction_id - The gateway supplied parent transaction ID • status - The status of this transaction • date_added - The date this transaction was received	5.3
Transactions. addAfter Deprecate d: Transactions.add	A transaction is created	BlestalCore\Util\Events\Obser\upsacles\Upsacle	transaction_id - The ID of the transaction created	void	3.1

Transactio ns. editBefore	A transaction is updated	\Blesta\Core\Ut in\Events\Observer vers\Transactio ns::editBefore()	transaction_id - The ID of the transaction updated staff_id - The ID of the staff member that made the edit for logging purposes vars - An array of input data which may include: id - The ID of this transaction client_id - The ID of the client this transaction was applied for amount - The amount this transaction was for currency - The currency of this transaction was for type - The transaction type (cc, ach, other) transaction_type_id - The transaction type ID (if any) account_id - The ID of the payment account (if any) associated with this transaction gateway_id - The ID of the gateway this transaction was made through gateway_name - The name of the gateway this transaction was made through stransaction_id - The gateway this transaction was made through (merchant or non-merchant) reference_id - The external ID stored for reference to the gateway trecords transaction_id - The gateway supplied transaction ID parent_transaction_id - The gateway supplied parent transaction ID status - The status of this transaction was received	Array Key/value pairs to be set as variables in the Transactions::edit() method. Special keys include: • vars - An array of input data which may include: • id - The ID of this transaction • client_id - The ID of the client this transaction was applied for • amount - The amount this transaction was for • currency - The currency of this transaction was for • transaction_type_id - The transaction type ID (if any) • account_id - The ID of the payment account (if any) associated with this transaction • gateway_id - The ID of the gateway this transaction was made through • gateway_name - The name of the gateway this transaction was made through • gateway_type - The type of gateway this transaction was made through • gateway_type - The type of gateway this transaction was made through (merchant or non-merchant) • reference_id - The external ID stored for reference to the gateway records • transaction_id - The gateway supplied transaction ID • parent_transaction_id - The gateway supplied parent transaction ID • status - The status of this transaction was received	5.3
Transactions. editAfter Deprecate d: Transactions.edit	A transaction is updated	\Blesta\Core\Ut il\Events\Observ vers\Transactio ns::editAfter() Deprecated: • \Blesta\ Core\Uti \I\Events \Observ ers\Tran sactions ::edit() • EventsT ransacti onsCall back:: edit()	transaction id - The ID of the transaction updated old_transaction (since version 4.3) - An object representing the previous state of the transaction id - The ID of this transaction client_id - The ID of the client this transaction was applied for amount - The amount this transaction was for currency - The currency of this transaction type - The transaction type (cc, ach, other) transaction_type_id - The transaction type ID (if any) account_id - The ID of the payment account (if any) associated with this transaction gateway_id - The ID of the gateway this transaction was made through gateway_name - The name of the gateway this transaction was made through gateway_type - The type of gateway this transaction was made through (merchant or non-merchant) reference_id - The external ID stored for reference to the gateway records transaction_id - The gateway supplied transaction ID parent_transaction_id - The gateway supplied parent transaction ID status - The status of this transaction date_added - The date this transaction was received	void	3.1
Users. delete	A user is deleted	\Blesta\Core\Ut in\Events\Obser vers\Users:: delete() Deprecated: Events\UsersCa Ilback::delete()	user_id - The ID of the user being deleted old_user - An object representing the previous state of the user	void	4.3
Users. login	A user logs in	\Blesta\Core\Ut il\Events\Obser vers\Users:: login() Deprecated: Events\UsersCa Ilback::login()	user_id - The ID of the user that successfully logged in	void	3.1
Users. logout	A user logs out	\Blesta\Core\Ut il\Events\Obser vers\Users:: logout() Deprecated: Events\UsersCa Ilback::logout()	user_id - The ID of the user attempting to log out	void	3.1

^{*} This field may not be included in the data since it is an optional parameter to submit to the function that calls this event

Working with Events

Each event handler that is invoked when the event is triggered is passed a \(\begin{align*}Blesta\text{Core\Util\Events\Common\EventInterface}\) (previously an \(\text{EventObject}\)). An EventObject will still be passed to plugins for backward compatibility, but this is deprecated behavior.

You can modify the parameters or return value of this event object and the modified event will be passed along to each subsequent handler, and finally returned to the trigger.

To fetch parameters from the \(\begin{align*} \begin{align*} \begi

o set the return value from the \Blesta\Core\Util\Events\Common\EventInterface, or EventObject, invoke the setReturnVal() method. Similarly, to fetch eturn value use the getReturnVal() method.	h the