

# Remote API

This section should help a 3rd party developer understand how the remote API system works. If you have any questions that are not answered here, feel free to send an e-mail to [support@geodesicsolutions.com](mailto:support@geodesicsolutions.com) and we would be happy to address any specific questions you might have.

## Remote API Calls

You interact with the Remote API by making a remote API call. There are different types of calls that do different things, for instance anything related to use sessions, would start with "session.".

Here is a run down of all the current Geo API calls that are built into the main software, and a brief summary of what they are used for:

Remote API call	Sample file	Description
misc.echo	_samples/misc.echo_client.php	Returns whatever variables you send it, useful for testing to make sure you are able to communicate with the remote API
session.init	_samples/session.init_client.php	Create or edit a session, and return the session ID, that you would then use to set a cookie "classified_session", assuming you are on the same domain name. Allows sending username/[plaintext pass OR user token] to log a user in.
session.touch	_samples/session.touch_client.php	Update the "last active" time for a particular session.
session.destroy	_samples/session.destroy_client.php	Removes a particular session. In other words, log a user out based on the session ID.
user.register	_samples/user.register_client.php	Register a new user. Note that the normal checks are still done (with the exception of the security image), and that registration "fields to use" still apply here, if you attempt to register and break the "fields to use" rules, an error will be returned.
user.edit	_samples/user.edit_client.php	Edits a user's information, such as their e-mail, first/last name, etc. Note that the registration "fields to use" still apply here, if you attempt to edit something and break the "fields to use" rules, an error will be returned.
user.exists	_samples/user.exists_client.php	Check to see if a username or e-mail exists or not.
user.getToken	_samples/user.getToken_client.php	Gets a user's remote API token that can then be used in other remote API calls, such as user.edit.

## Calls added by Addons

Note that you can create a new API call, inside of an addon. As long as that addon is installed and enabled, you will be able to use the API call.

Before creating a new remote API call yourself, if it makes sense for the API call to be one of the built-in calls (for instance, an API call to get the listing data for a particular listing), but is just not yet created, contact us as [support@geodesicsolutions.com](mailto:support@geodesicsolutions.com) to request it. Every single remote API call that is currently in existence, has been created because it is "in demand" (just like most of the current "addon hooks").

To create your own remote API call in your custom addon, create a sub-directory named "api" inside of the addon's directory. Then you would create a PHP file for any API call you want to make. Any files that are prepended with an underscore "\_" will be ignored by the system. We recommend starting from the **misc.echo** remote API call and building on top of that. You can also see the Example Addon for more information about creating a new remote API call.

## See Also

- [Remote API Security Keys](#) - Page that shows the Remote API security keys for every single API call, something you will need when making an API call. See any of the sample remote API clients in **classes/api/\_samples/** for more info.

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