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## 30.2. Bastion — Restricting access to objects¶

Deprecated since version 2.6: The `Bastion` module has been removed in Python 3.0.

Changed in version 2.3: Disabled module.

### Note

The documentation has been left in place to help in reading old code that uses the module.

According to the dictionary, a bastion is “a fortified area or position”, or “something that is considered a stronghold.” It’s a suitable name for this module, which provides a way to forbid access to certain attributes of an object. It must always be used with the [rexec](#) module, in order to allow restricted-mode programs access to certain safe attributes of an object, while denying access to other, unsafe attributes.

```
Bastion.Bastion(object[, filter[, name[, class]])¶
```

Protect the object *object*, returning a bastion for the object. Any attempt to access one of the object’s attributes will have to be approved by the *filter* function; if the access is denied an [AttributeError](#) exception will be raised.

If present, *filter* must be a function that accepts a string containing an attribute name, and returns true if access to that attribute will be permitted; if *filter* returns false, the access is denied. The default filter denies access to any function beginning with an underscore ('\_'). The bastion’s string representation will be `<Bastion for name>` if a value for *name* is provided; otherwise, `repr(object)` will be used.

*class*, if present, should be a subclass of [BastionClass](#); see the code in `bastion.py` for the details. Overriding the default [BastionClass](#) will rarely be required.

```
class Bastion.BastionClass(getfunc, name)¶
```

Class which actually implements bastion objects. This is the default class used by [Bastion\(\)](#). The *getfunc* parameter is a function which returns the value of an attribute which should be exposed to the restricted execution environment when called with the name of the attribute as the only parameter. *name* is used to construct the `repr()` of the [BastionClass](#) instance.

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