Ruby trunk - Feature #12461

Hash & keys to make subset.

06/06/2016 03:46 AM - ioquatix (Samuel Williams)

Status:	Rejected	
Priority:	Normal	
Assignee:		
Target version:		

Description

It would be nice if Hash had a way to create a sub-hash with a limited set of keys. This would be useful for keyword functions in particular, because sometimes you have a large hash of things and you only want to send a subset to another function.

A definition somewhat like:

```
class Hash
    def &(keys)
        keys.each_with_object(self.class.new) {|key, hash| hash[key] = self[key] if has_key?(key)}
    end
end
```

You can see some similar definitions here:
https://github.com/rails/rails/blob/b670fadb978c8a12c3414ed842cd49e4fde2cec0/activesupport/lib/active_support/core_ext/hash/slice.rb#L21

It might be nice to support slice and slice! in a similar logical sense to Array rather than proposed & operator above - that would just be nice shortcut.

Related issues:

Related to Ruby trunk - Feature #8499: Importing Hash#slice, Hash#slice!, Has...		**Closed**

History

#1 - 06/06/2016 03:54 AM - ioquatix (Samuel Williams)

Just to add to this, I also found an implementation here:

https://github.com/rubyworks/facets/blob/master/lib/core/facets/hash/slice.rb

Now I wonder if this warrants being in the standard library. I believe it probably does since it appears lots of people are using it, and it would probably be significantly faster written in C.

#2 - 07/19/2016 07:46 AM - shyouhei (Shyouhei Urabe)

- Related to Feature #8499: Importing Hash#slice, Hash#slice!, Hash#except, and Hash#except! from ActiveSupport added

#3 - 07/19/2016 07:50 AM - matz (Yukihiro Matsumoto)

- Status changed from Open to Closed

I am against having Hash#&. Array#& takes two arrays. The proposed Hash#& takes a hash and key array.
if you want Hash#slice to be added to the core, submit a new issue. But note that now we have real
keyword arguments so that we have less need for manipulating keyword hashes explicitly.

Matz.

#4 - 08/04/2016 07:55 AM - usa (Usaku NAKAMURA)

- Status changed from Closed to Rejected

- Tracker changed from Bug to Feature