

Re: Access private props through ancestor

Source: <http://coding.derkeiler.com/Archive/PHP/comp.lang.php/2007-04/msg00131.html>

- *From:* Jerry Stuckle <jstucklex@xxxxxxxxxxxxxx>
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rick@xxxxxxxxxxxxxx wrote:

I have a situation where I want to write an extensible class that is capable of saving / restoring properties of classes derived from it. A simplified example is explained as follows;–

```
class A
{
private $Save ;

public function Push()
{
$this->Save = serialize( get_object_vars( $this ) ) ;
}

public function Pop()
{
foreach( unserialize( $this->Save ) as $Prop => $Value )
$this->$Prop = $Value ;
}
}

class B extends A
{
private $Priv ;

public function SetPriv( $Num )
{
$this->Priv = $Num ;
}

public function GetPriv()
{
return $this->Priv ;
}
}

$C = new B ;
$C->SetPriv( 1 ) ;
```

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```
$C->Push() ;  
$C->SetPriv( 2 ) ;  
echo $C->GetPriv()."<br/>\n" ;  
$C->Pop() ;  
echo $C->GetPriv()."<br/>\n" ;
```

At the point of the call to \$C->Pop(), I get the following error;-

Cannot access private property B::\$Priv

It is only private properties which cause this problem, public and protected properties defined in B will save and restore as intended.

Is there a way around this ?

TIA

No, that's the purpose of private properties – to hide your implementation.

The correct way to do this would be for B to have its own Push and Pop functions which save/restore its data, and call the Push and Pop functions in A to save and restore its data.

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Remove the "x" from my email address

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