



Web security

Communication

window.postMessage

- API for inter-frame communication
 - Supported recent versions of many browsers

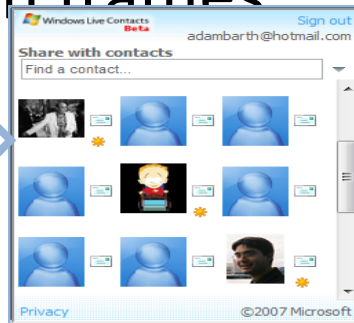


- A network-like channel between frames

facebook

Add a contact

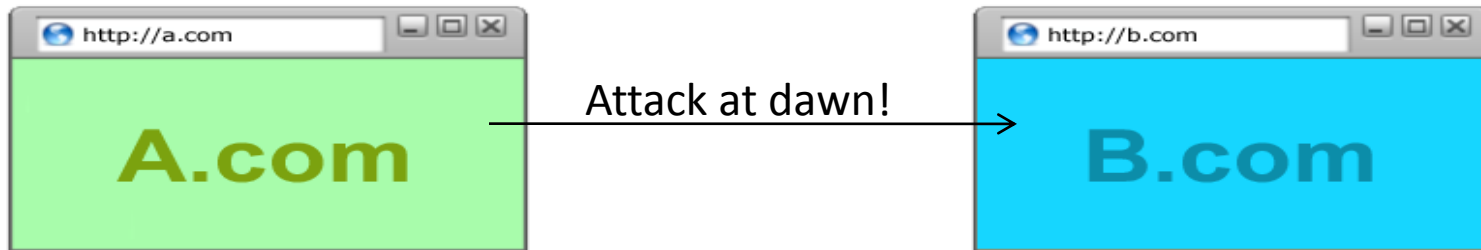
Share contacts



postMessage syntax

```
frames[0].postMessage("Attack at dawn!",  
                      "http://b.com/");
```

```
window.addEventListener("message", function (e) {  
  if (e.origin == "http://a.com") {  
    ... e.data ...  
  }  
}, false);
```



Why include “targetOrigin”?

- What goes wrong?

```
frames[0].postMessage("Attack at dawn!");
```

- Messages sent to *frames*, not principals
- When would this happen?

