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## selectBylds function sql injection #862

Open

sybb0743 opened this issue on Jul 20 · 3 comments

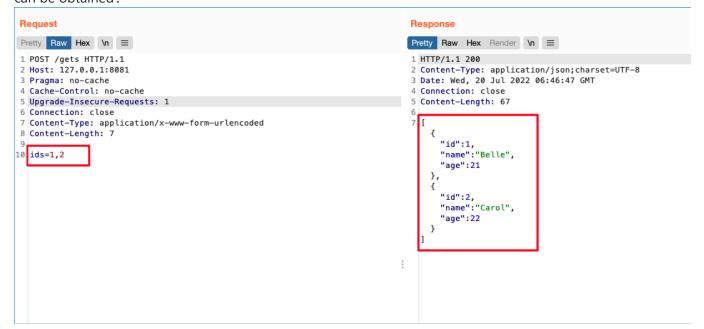
```
sybb0743 commented on Jul 20
Write the following test demo:
1、UserController.java:
@controller
public class UserController {
  @Autowired
  UserService userService;
  @RequestMapping("gets")
  @ResponseBody
  public List<User> getUser(String ids) {
      List<String> idList = Arrays.asList(ids.split(","));
      return userService.gets(idList);
  }
2、UserService.java:
@service
public interface UserService {
  List<User> gets(Collection<String> ids);
}
3、UserServiceImpl.java:
@service
public class UserServiceImpl implements UserService {
  @Autowired
  UserMapper userMapper;
```

```
@Override
public List<User> gets(Collection<String> ids) {
    if (ids == null || ids.isEmpty())
        return new ArrayList<>();
    String concatIds = StringUtils.concat(ids, "'", ",");
    return (List<User>) userMapper.selectByIds(concatIds);
}

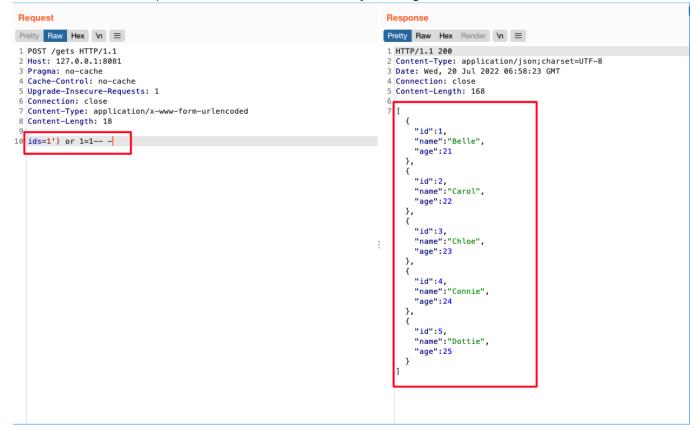
4. UserMapper.java:
@org.apache.ibatis.annotations.Mapper
public interface UserMapper extends Mapper, MySqlMapper, IdsMapper {
```

5. Access the /gets route in the above demo for sql injection attack:

(1) Under normal circumstances, when the ids parameter value is passed in 1, 2, the data with id 1 and 2 can be obtained:



(2) But when the ids parameter value is 1') or 1=1---, you can get all the data in the database:



## abel533 commented on Jul 20

Owner

At the business level, check according to the type of ID.

Author

Maybe developers won't notice this problem, I believe that many developers do not verify whether the id parameter value is valid, which will lead to many vulnerabilities.

the best solution is to use parameterized query for ids in selectBylds function, that is, use #{} symbol to construct sql statement.

This makes applications using the tk.mybatis framework more secure.

••

abel533 commented on Jul 20

Owner

Guaranteed compatibility. Have a PR?

Assignees

No one assigned

Labels

None yet

**Projects** 

None yet

Milestone

No milestone

Development

No branches or pull requests

2 participants



