NFSU National Forensic Sciences University
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An Institute of National Importance
(Ministry of Home Affairs, Government of India)

Mobile Phone Security

Dr. Digvijaysinh Rathod
Associate Professor & Associate Dean
School of Cyber Security and Digital Forensics
National Forensic Sciences University with status of Institution of National Importance

digvijay.rathod@gfsu.edu.in

Input Validation and Data Sanitization (SQLinjection)

- ✓ Input validation is a frequently-used technique for checking potentially dangerous inputs in order to ensure that the inputs are safe processing within the code, or when communicating with other components.
- ✓ When software does not validate input properly, an attacker is able to craft the input in a form that is not expected by the rest of the application.

- ✓ This will lead to parts of the system receiving unintended input, which may result in altered control flow, arbitrary control of a resource, or arbitrary code execution.

- ✓ a.Input validation issues occurs where application does not sanitize user input
- ✓ b.Results in client side as well as server side attacks
- ✓ c.Open Input Validation Issues – Part 1
- ✓ d.Open the file SQLInjectionActivey.class and check the rawQuery
- ✓ e.rawQuery(“SEELCT * FROM sqluser WHERE user = ‘ “+ localEditText.getText().toString() +” ‘” , null());

- ✓ c.What if input in not sanitize ?
- ✓ d.Let open the diva application and start the Input validation issues – Part 2 – enter the url and android application connect with it and display the content of the same web content in the same activity.
- ✓ e.Lets try to check that this web view is taking input without validation, so try to access the android internal files.

- ✓ a.Input validation issues occurs where application does not sanitize user input
- ✓ b.Results in client side as well as server side attacks
- ✓ c.Open Input Validation Issues – Part 1
- ✓ d.Open the file SQLInjectionActivey.class and check the rawQuery
- ✓ e.rawQuery(“SEELCT * FROM sqluser WHERE user = ‘ “+ localEditText.getText().toString() +” ‘” , null());
- ✓ f.enter diva’or’1’ =’1

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