

# Intents

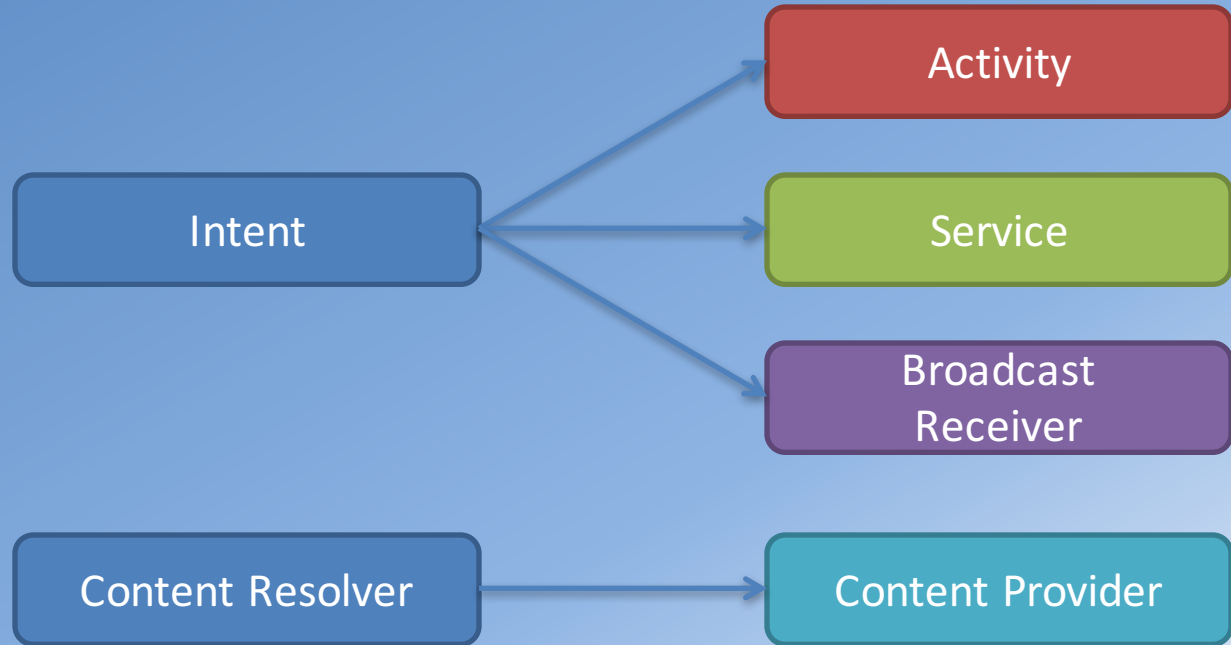


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# Activating Components

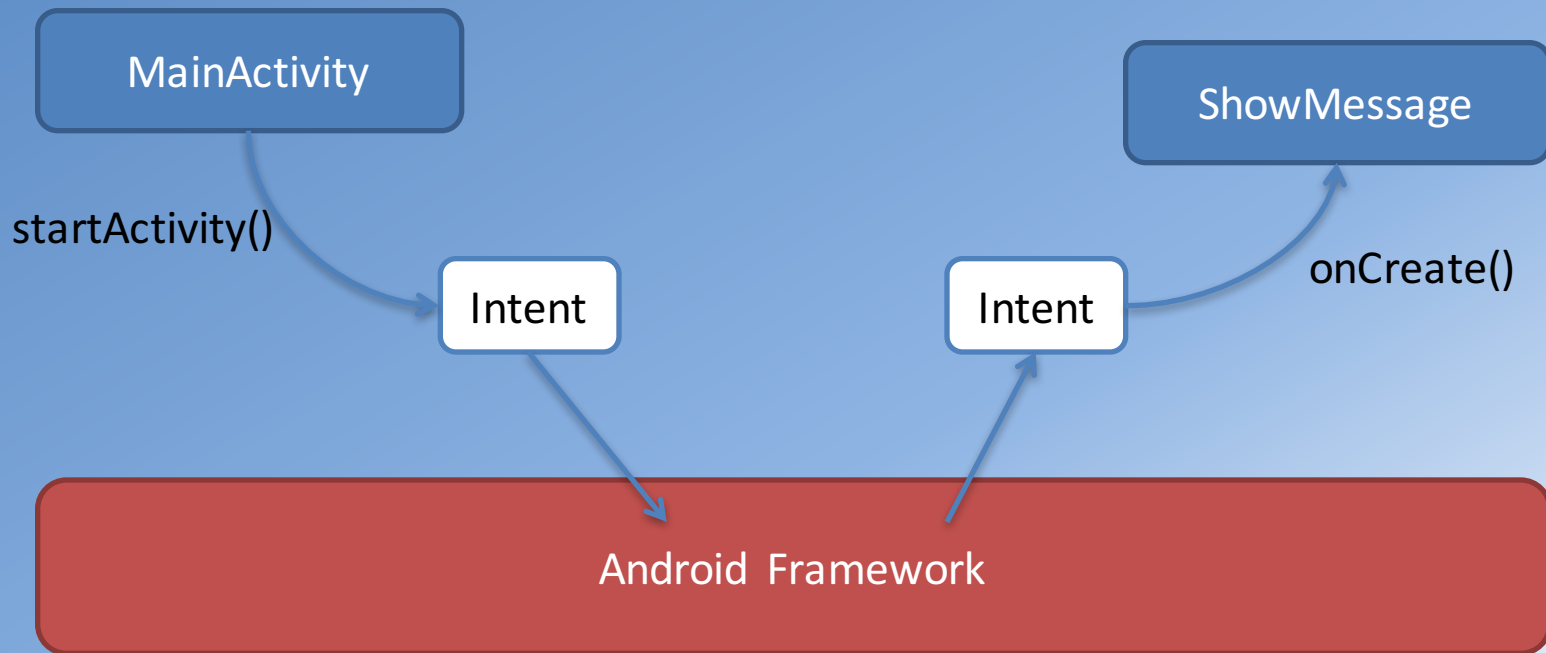


# Intents

- Intents are asynchronous messaging objects to activate components other than content providers
  - Primary uses to start an activity, a service or to deliver a broadcast
- Example

```
public void onClick(View v) {  
    Intent in = new Intent(this, ShowMessage.class);  
    in.putExtra("message", name);  
    startActivity(in);  
}
```

# Intent to Start Activity



# Intents (Contd.)

- Two kinds of intents:
  - Explicit intent: explicitly specify the component's name that should respond to the intent
  - Implicit intent: Let Android locate the best component that can respond to the intent
    - Uses intent filters for this
    - Example

```
startActivity(new Intent(Intent.ACTION_VIEW,
    Uri.parse("http://www.edx.org")));
```

# Greet Friend with ListActivity Exercise

- Off to our next exercise
  - Extending the GreetFriend example to show a list of friends
  - Allow user to select a friend from the list and display the greeting with the friend's name
  - Learn about ListActivity, ListView, ListItem and Adapters