

1

The screenshot shows the AWS IoT console interface. On the left is a navigation menu with options: Monitor, Onboard, Manage, Greengrass, Secure, Act, **Test**, Software, Settings, and Learn. The main area is titled 'Subscriptions' and shows a subscription for the topic '\$aws/things/22017827_thing/shadow/update'. Below this, there is a 'Publish' section with a text input containing the topic name and a 'Publish to topic' button. A code editor shows a JSON message:

```
{
  "state": {
    "reported": {
      "colour": "blue"
    }
  }
}
```

. Below the editor, a table shows a recent publish event with the same topic and timestamp 'Oct 15, 2017 3:12:08 PM +0800', with 'Export' and 'Hide' actions. The footer includes 'Feedback', 'English (US)', and copyright information.

2

The screenshot shows the 'Shadow' details page in the AWS IoT console. The left navigation menu is the same as in the first screenshot. The main area has a 'Details' tab selected. It displays the 'Shadow ARN' as 'arn:aws:iot:ap-southeast-2:032418238795:thing/22017827_thing'. Below this is the 'Shadow Document' section, which shows the 'Last update' time as 'Oct 15, 2017 2:48:11 PM +0800' and a 'Shadow state' code editor containing the same JSON message as in the first screenshot:

```
{
  "reported": {
    "colour": "blue"
  }
}
```

. The footer is consistent with the first screenshot.

3.

The screenshot shows the AWS IoT Rule Editor interface. At the top, the rule name is **22017827_rule** and its status is **ENABLED**. The **Overview** tab is selected. The **Description** field is empty. The **Rule query statement** field contains the SQL query: `SELECT * FROM 'aws/things/22017827_thing/shadow/update'`. Below this, it indicates **Using SQL version 2016-03-23**. The **Actions** section shows a single action: **Invoke a Lambda function passing the message...** with the function name `22017827_IoT_Lambda`. The bottom of the page shows the AWS footer with copyright information and links to Privacy Policy and Terms of Use.

4

The screenshot shows the AWS IoT console with the **22017827_IoT** thing selected. An **Edit item** dialog is open, displaying the current state of the thing shadow. The **Item {2}** section shows two attributes: **Id** (String: `1508052176630`) and **Message** (String: `{\"state\": {\"reported\": {\"colour\": \"red\"}}}`). The dialog has **Cancel** and **Save** buttons at the bottom. The background shows the AWS IoT console interface with a sidebar containing **DynamoDB**, **Dashboard**, **Tables**, and **Reserved capacity**.