



HOW TO GENERATE CHECKSUM

To generate a **checksum** in your API Integration, the process involves creating a hashed string based on the **token** and **control number** values in the data array. Here's a step-by-step breakdown of how the **checksum** is generated

- ✓ **SHA1 + MD5:** This specific combination creates a unique checksum.
 - First, the control number is hashed with md5() to create a 32-character hexadecimal string.
 - Then, this md5 hash is concatenated with the token.
 - The resulting string is hashed again using SHA1, which produces a 40-character hexadecimal string.

See example below

- Control Number: **123456789**
- Token: **qqqw**
- Trim the control number (though in this case, it's already clean): **123456789**
- Generate the **MD5** hash of the **control number**:

- (\$control_number_hash = md5(trim('123456789')));
- **Result: 25f9e794323b453885f5181f1b624d0b**

- Concatenate the token and the **MD5** hash:

```
$generated_checksum = sha1('qqqw25f9e794323b453885f5181f1b624d0b');
```

```
Result: 0a062270b14c179fbd943ad3f43bb47651e05be1
```

NB: TOKEN for test environment is **INZPBZ01D**

End point

<https://earrival.rahisi.co.tz/api/payment/pbz/verify.php>

<https://earrival.rahisi.co.tz/api/payment/pbz/payment.php>

