**Explanation of the said Regular expression (IP address)**

Regular Expression Pattern :

**/^(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)$/**

|  |  |
| --- | --- |
| **Character** | **Description** |
| / .. / | All regular expressions start and end with forward slashes. |
| ^ | Matches the beginning of the string or line. |
| 25[0-5] | Matches 250 or 251 or 252 or 253 or 254 or 255. |
| | | or |
| 2[0-4][0-9] | Start with 2, follow a single character between 0-4 and again a single character between 0-9. |
| | | or |
| [01] |  |
| ? | Matches the previous character 0 or 1 time. |
| [0-9][0-9] | Matches a single character between 0-9 and again a single character between 0-9. |
| ? | Matches the previous character 0 or 1 time. |
| \. | Matches the character "." literally. |