Galen Lansbury

**Base64 Test Files**

There are 13 main base64 encoding schemes that people use. I have created 13 different, real files that each utilize a different Base64 encoding scheme. The various encoding schemes are used in a variety of circumstances and are capable of encoding a variety of data.

Below is a description of each test file I created and the corresponding data that is encoded.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Filename** | **Variant** | **Description** | **Input**  **(JPEGs)** | **Input**  **(just an email w/in DOC file)** |
| RFC1421 | Original Base64 | for [Privacy-Enhanced Mail (PEM)](http://en.wikipedia.org/wiki/Base64#Privacy-enhanced_mail) (RFC 1421, deprecated) | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | RFC1421@RFC1421.com |
| RFC2045 | Base64 transfer encoding | for [MIME](http://en.wikipedia.org/wiki/Base64#MIME) (RFC 2045) | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | RFC2045@RFC2045.com |
| [RFC3548](http://en.wikipedia.org/wiki/Base64#RFC_3548) | Standard 'base64' encoding | for [RFC 3548](http://en.wikipedia.org/wiki/Base64#RFC_3548) or [RFC 4648](http://en.wikipedia.org/wiki/Base64#RFC_4648) | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | [RFC3548](mailto:RFC3548)@[RFC3548](http://en.wikipedia.org/wiki/Base64#RFC_3548).com |
| RADIX64 | 'Radix-64' encoding | for [OpenPGP](http://en.wikipedia.org/wiki/Base64#OpenPGP) (RFC 4880) | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | RADIX64@RADIX64.com |
| RFC 1642 | Modified Base64 encoding | for [UTF-7](http://en.wikipedia.org/wiki/Base64#UTF-7) (RFC 1642, obsoleted) | 日,本,語 | RFC1642@RFC1642.com |
| [RFC4648](http://en.wikipedia.org/wiki/Base64#RFC_4648) | Standard 'base64url' | with [URL](http://en.wikipedia.org/wiki/Base64#URL_applications) and [Filename](http://en.wikipedia.org/wiki/Base64#Filenames) Safe Alphabet ([RFC 4648](http://en.wikipedia.org/wiki/Base64#RFC_4648) §4 'Table 2: The "URL and Filename safe" Base 64 Alphabet') | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | [RFC4648](http://en.wikipedia.org/wiki/Base64#RFC_4648)@[RFC4648](http://en.wikipedia.org/wiki/Base64#RFC_4648).com |
| URLsafe | Non-standard [URL](http://en.wikipedia.org/wiki/Base64#URL_applications)-safe Modification of Base64 | used in [YUI Library](http://en.wikipedia.org/wiki/YUI_Library) (Y64) | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | URLsafe@URLsafe.com |
| Nmtoken | Modified Base64 for [XML](http://en.wikipedia.org/wiki/Base64#XML) name tokens (*Nmtoken*) |  | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | Nmtoken@Nmtoken.com |
| *Name* | Modified Base64 for [XML](http://en.wikipedia.org/wiki/Base64#XML) identifiers (*Name*) |  | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | *Name@Name.com* |
| ProgramIdentifiers\_v1 | Modified Base64 for [Program identifiers](http://en.wikipedia.org/wiki/Base64#Program_identifiers) (variant 1, non standard) | <http://en.wikipedia.org>  /wiki/Base64#Program\_identifiers | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | ProgramIdentifiers\_v1@ ProgramIdentifiers\_v1.com |
| ProgramIdentifiers\_v2 | Modified Base64 for [Program identifiers](http://en.wikipedia.org/wiki/Base64#Program_identifiers) (variant 2, non standard) |  | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | ProgramIdentifiers\_v2@ ProgramIdentifiers\_v2.com |
| Regular\_Expressions | Modified Base64 for [Regular expressions](http://en.wikipedia.org/wiki/Base64#Regular_expressions) (non standard) |  | [Exif JPEG with GPS](http://opanda.com/en/images/s_gps.jpg) | Regular\_Expressions@ Regular\_Expressions.com |

The differences between each encoding scheme are explained in greater detail here: <http://en.wikipedia.org/wiki/Base64#Implementations_and_history>