

Devanagari Case Study Team

Update



Devanagari Case Study - Team

Dr. Govind (Case study co-ordinator)

Tulika Pandey

Mahesh Kulkarni

K. B. Narayanan

Dr. James Galvin

Amardeep Singh Chawla

Jitender Kumar

Rajiv Kumar

Bhavin Turakhia

Shashi Bharadwaj

Prof. Pramod Pandey

Raiomond Doctor

Dr. Kalyan Kale

Prabhakar Kshotriya

Manish Dalal

Basanta Shrestha

Bal Krishna Bal

Satyendra Kumar Pandey

Neha Gupta

Akshat Joshi



Structure of the Report

- Basic Postulates
- Overview of evolution of Devanagari
- Brief sketch of writing system of the language
- Issues pertaining to IDN Variants
- Extraneous issues
- Registry and Registrar Perspective
- Appendices



Issues at large

- Language Vs Script
- Variants
- Issues related to Software behavior in relation to Display of Domains
- Whole script confusables
- The case of 02BC character in Devanagari



Variant Classification

- Confusingly similar single character

घ (U+0918)	ध (U+0927)
म (U+092E)	भ (U+092D)

Variant Classification

- Confusingly similar composite characters

द्र	द्र	द्र
(U+0926 + U+094D + U+0930)	(U+0926 + U+094D + U+0928)	(U+0926 + U+094D + U+0917)

Miscellaneous Issues

Issues related to software behavior in relation to display of domains

- Rendering engine related issues
- Font related issues



Miscellaneous Issues

Whole script confusables

A case may be visualized where a complete string in Devanagari and Correspond to a complete string in another script, such the it could lead to spoofing.

मोरी (Devanāgarī script)

મોરી (Gujarati script) [morī]



Miscellaneous Issues

- Zero Width Joiner (ZWJ)
- Zero Width Non-Joiner (ZWNJ)



Thank You



Questions

One World

One Internet



Dakar
SÉNÉGAL
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