

1. Record Nr.	UNINA9910711167103321
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Titolo	Derived PIV application and data model test guidelines // David Cooper; Hildegard Ferraiolo; Ramaswamy Chandramouli; Nabil Ghadiali; Jason Mohler; Steven Brady
Pubbl/distr/stampa	Gaithersburg, MD : , : U.S. Dept. of Commerce, National Institute of Standards and Technology, , 2016
Descrizione fisica	1 online resource (143 pages) : illustrations (color)
Collana	NIST special publication ; ; 800-166
Altri autori (Persone)	BradySteven ChandramouliRamaswamy CooperDavid FerraioloHildegard GhadialiNabil MohlerJason
Soggetti	Authentication Identification cards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Contributed record: Metadata reviewed, not verified. Some fields updated by batch processes. June 2016. Title from PDF title page (viewed June 30, 2016).
Nota di bibliografia	Includes bibliographical references.
Sommario/riassunto	NIST Special Publication (SP) 800-157 contains technical guidelines for the implementation of standards-based, secure, reliable, interoperable Public Key Infrastructure (PKI)-based identity credentials that are issued for mobile devices by federal departments and agencies to individuals who possess and prove control over a valid Personal Identity Verification (PIV) Card. This document, SP 800-166, contains the requirements and test assertions for testing the Derived PIV Application and associated Derived PIV data objects implemented on removable hardware tokens and within mobile devices. The tests reflect the design goals of interoperability and interface functions.

2. Record Nr.	UNINA9910349445403321
Titolo	Methanotrophs : Microbiology Fundamentals and Biotechnological Applications // edited by Eun Yeol Lee
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-23261-1
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (X, 278 p. 53 illus., 40 illus. in color.)
Collana	Microbiology Monographs, , 1862-5576 ; ; 32
Disciplina	579.3 572.45
Soggetti	Bacteriology Microbiology Metabolism Botanical chemistry Applied Microbiology Metabolomics Plant Biochemistry
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Methanotroph Ecology, Environmental Distribution and Functioning -- Enrichment and Isolation of Aerobic and Anaerobic Methanotrophs -- The Biochemistry of Methane Monooxygenases -- Multi-omics Understanding of Methanotrophs -- Diversity, Physiology, and Biotechnological Potential of Halo(alkali)philic Methane-Consuming Bacteria -- Metabolic Engineering of Methanotrophs for the Production of Chemicals and Fuels -- Methanobactin: A Novel Copper-Binding Compound Produced by Methanotrophs -- Environmental Applications of Methanotrophs.
Sommario/riassunto	This book offers a comprehensive overview of the microbiological fundamentals and biotechnological applications of methanotrophs: aerobic proteobacteria that can utilize methane as their sole carbon and energy source. It highlights methanotrophs' pivotal role in the global carbon cycle, in which they remove methane generated geothermally and by methanogens. Readers will learn how

methanotrophs have been employed as biocatalysts for mitigating methane gas and remediating halogenated hydrocarbons in soil and underground water. Recently, methane has also attracted considerable attention as a potential next-generation carbon feedstock for industrial biotechnology, because of its abundance and low price. Methanotrophs can be used as biocatalysts for the production of fuels, chemicals and biomaterials including methanobactin from methane under environmentally benign production conditions. Sharing these and other cutting-edge insights, the book offers a fascinating read for all scientists and students of microbiology and biotechnology.
