

JUNIPER NETWORKS LEARNING PATHS

Juniper Networks Education Services

June 2018



APAC Platinum Partner Award 2017

+61 1300 859 892

training@crystalecho.com

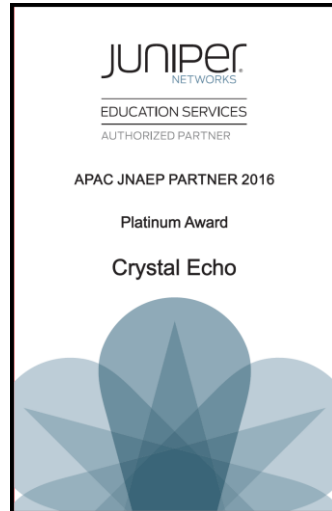
JUNIPER
NETWORKS

Engineering
Simplicity

CRYSTAL ECHO

JUNIPER NETWORKS AUTHORIZED EDUCATION PARTNER (JNAEP)

- We have been delivering Juniper public, private and customised courses for Juniper since 2004
- 2017 APAC JNAEP Platinum Partner of the Year



CRYSTAL ECHO & JUNIPER

- Brisbane
- Sydney
- Melbourne
- Canberra
- Adelaide
- Perth
- Auckland
- Wellington
- Christchurch

Helping partners and customers to get the most value from Juniper since 2004

Education

- JNAEP since 2004
- Technical Training, Full Juniper Curriculum & Customisation
- Product and Solutions Training
- ILT (classroom) & ILO (online)
- Customised Training
- Partner Enablement



Instructors & Consultants

- JNCIE-SEC
- JNCIE-ENT
- JNCIE-SP
- Ingenious Champions
- Brisbane
- Melbourne
- Sydney
- Juniper Contractor Hire



Professional Services

- Juniper “Professional Services Specialist” Partner – PSS
- “White Label” service to Juniper and Juniper Partners
- Planning & Design
- Build & Maintain
- Operate “Best Practice”
- Project Buffalo



Lab Hire

- MX80, vMX, EX4200/4300, SRX, vSRX, Junos Space, Secure Analytics, Contrail, Automation & DevOps
- Worldwide follow the sun
- Proof of Concept

juniperlab.net

CRYSTAL ECHO SERVICE SUMMARY

- Customised training / knowledge transfer
- Latest Juniper course and curriculum advice
- Discount exam vouchers
- In-class Pearson VUE testing
- Processing Juniper Training Credits (JTC's)
- Physical and virtual lab hire
- White labelled engineering services
- Self-help tools



UPCOMING JNCP PROGRAMS AND OFFERINGS

- Professional-level Cloud (JNCIP-SP-Cloud) credential and Network Automation in the Service Provider Cloud (NASP) 3-day course expected May, 2018
- Professional-level Automation & DevOps (JNCIP-DevOps) credential and Advanced Junos Platform Automation and DevOps (AJAUT) 4-day course expected August, 2018
- Professional-level Cloud (JNCIP-ENT-Cloud) credential and Network Automation in the Enterprise Cloud (NAEC) 3-day course expected late 2018



PEARSON VUE IN-CLASS CERTIFICATION TESTING

- Pearson VUE (Anywhere Proctored)
 - Ability to provide end-of-class testing
 - Ensures greater completion rate
 - Saves time



DISCOUNT PEARSON VUE EXAM VOUCHERS

- JNCIA: USD\$200
- JNCIS: USD\$300
- JNCIP: USD\$400
- JNCIE @ USD\$1600 hands-on lab exam is excluded from Pearson VUE exam voucher system and is to be booked direct online with Juniper.
- Expires within 12 months

Crystal Echo supplies vouchers at flat rate of AUD\$140 (ex GST) up to JNCIP level



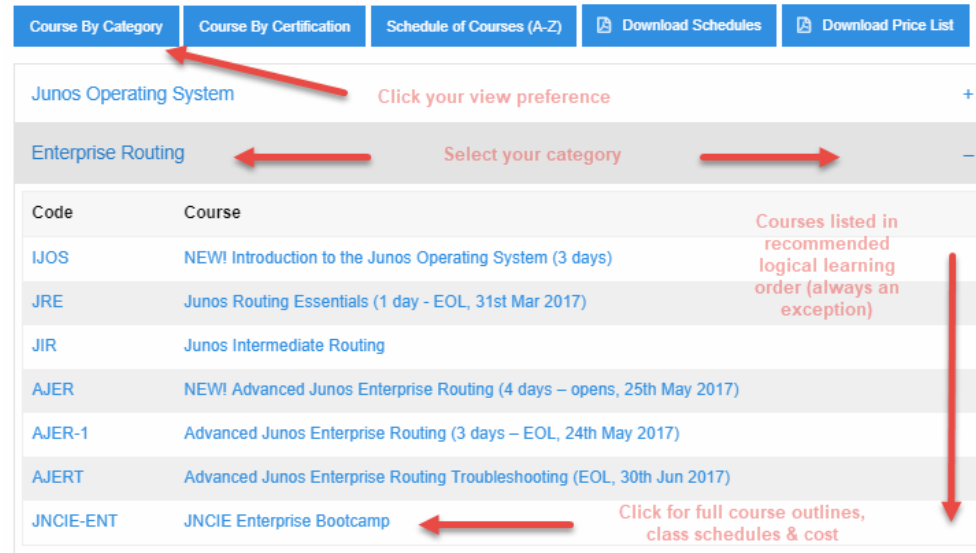
JUNIPER TRAINING CREDITS (JTC)

- USD-valued training vouchers supplied with product sale
 - Example part number EDU-JTC-100
 - 12 month expiry
- We provide validation of voucher and processing services
- Procurement workflow
 - Crystal Echo direct or;
 - Customer > Partner > Distributor > Juniper
- Redemption workflow
 - Customer USD\$100 > Crystal Echo > Juniper



CRYSTAL ECHO SELF-HELP TOOLS

- training@crystalecho.com / + 61 1300 859 892
 - Fast schedule and pricing responses
 - Customised or tailored training
- www.crystalecho.com
 - Select > Training > Juniper
 - View by certification
 - View by category (example shown)
- www.junipercertified.com
 - Learning Paths & Certification
- Exam preparation
 - Junos Genius (over page)



The screenshot shows the Juniper training website interface. At the top, there are navigation tabs: "Course By Category", "Course By Certification", "Schedule of Courses (A-Z)", "Download Schedules", and "Download Price List". Below the tabs, there are two main sections: "Junos Operating System" and "Enterprise Routing". The "Enterprise Routing" section is highlighted with a red arrow pointing to it from the "Course By Category" tab. Below these sections is a table of courses. The table has two columns: "Code" and "Course". The courses listed are: IJOS (NEW! Introduction to the Junos Operating System (3 days)), JRE (Junos Routing Essentials (1 day - EOL, 31st Mar 2017)), JIR (Junos Intermediate Routing), AJER (NEW! Advanced Junos Enterprise Routing (4 days - opens, 25th May 2017)), AJER-1 (Advanced Junos Enterprise Routing (3 days - EOL, 24th May 2017)), AJERT (Advanced Junos Enterprise Routing Troubleshooting (EOL, 30th Jun 2017)), and JNCIE-ENT (JNCIE Enterprise Bootcamp). A red arrow points to the "JNCIE-ENT" course. To the right of the table, there is a red arrow pointing down and a note: "Courses listed in recommended logical learning order (always an exception)". At the bottom right of the table, there is a red arrow pointing to the text: "Click for full course outlines, class schedules & cost".

Code	Course
IJOS	NEW! Introduction to the Junos Operating System (3 days)
JRE	Junos Routing Essentials (1 day - EOL, 31st Mar 2017)
JIR	Junos Intermediate Routing
AJER	NEW! Advanced Junos Enterprise Routing (4 days - opens, 25th May 2017)
AJER-1	Advanced Junos Enterprise Routing (3 days - EOL, 24th May 2017)
AJERT	Advanced Junos Enterprise Routing Troubleshooting (EOL, 30th Jun 2017)
JNCIE-ENT	JNCIE Enterprise Bootcamp

JUNOS GENIUS

- Apps designed for JNCP exam preparation
- Practice exams for:
 - JNCIA-Junos
 - JNCIS-SP / ENT / SEC / Cloud
 - JNCIP-SP / ENT / SEC / DC
- Mobile and desktop platform
- Learning Bytes
- Hardware overview and deployment courses
- <https://www.juniper.net/us/en/training/junos-genius/>



CERTIFICATION NEWS

- Associate-level Cloud (JNCIA-Cloud) credential released – JN0-210
- Specialist-level Cloud (JNCIS-Cloud) credential released – JN0-411
- Specialist-level Automation & DevOps (JNCIS-DevOps) credential released – JN0-420
- Specialist-level Service Provider Routing & Switching (JNCIS-SP) credential released – JN0-361
- Specialist-level Enterprise Routing & Switching (JNCIS-ENT) credential released – JN0-347



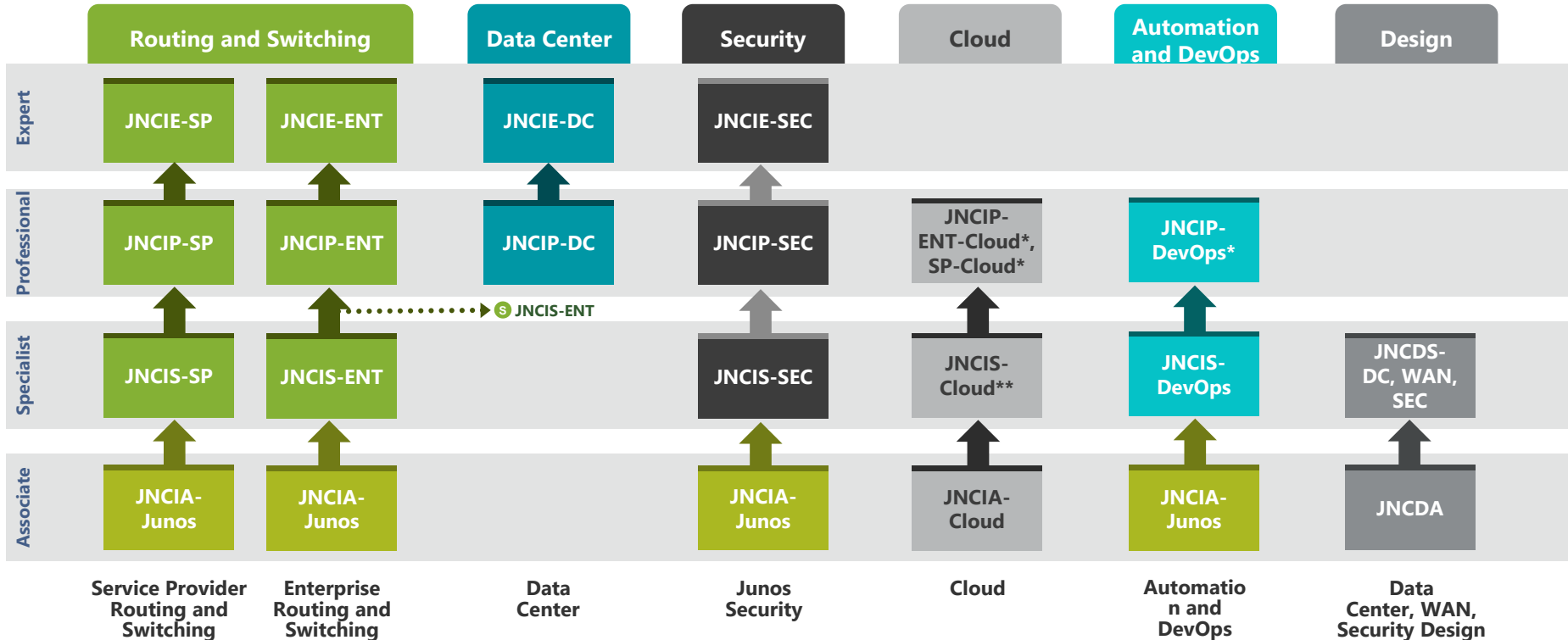
CERTIFICATION NEWS



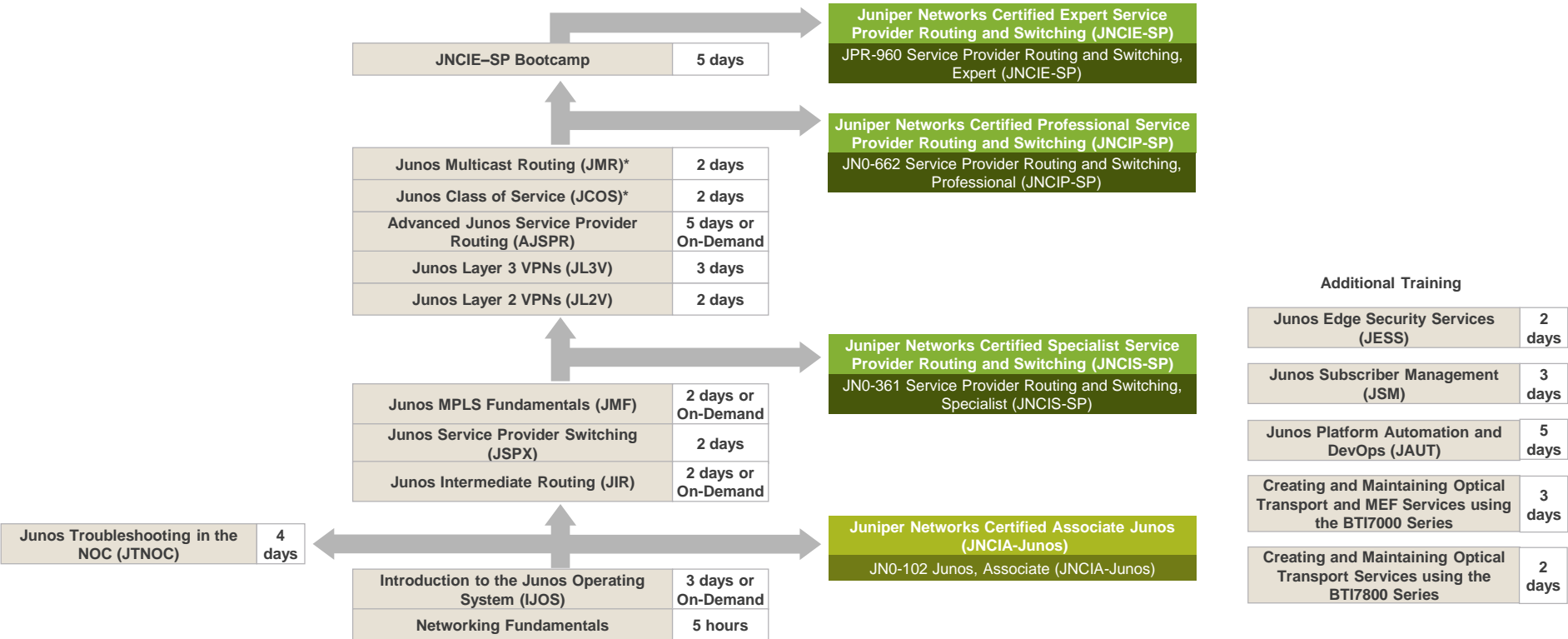
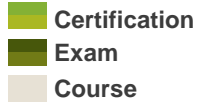
Continued...

- Professional-level Cloud (JNCIP-SP-Cloud) credential and Network Automation in the Service Provider Cloud (NASPC) 3-day course expected May, 2018
- Professional-level Automation (JNCIP-DevOps) credential and Advanced Junos Platform Automation and DevOps (AJAUT) 5-day course expected August 2018
- Professional-level Cloud (JNCIP-ENT-Cloud) credential and Network Automation in the Enterprise Cloud (NAEC) 3-day course expected late 2018
- Recertification program
- Certified community can opt to recertify by attending a relevant course
- <http://www.juniper.net/us/en/training/certification/already-certified/recertification/>
- Crystal Echo can offer in-class Pearson VUE exams for custom courses on the last day (eliminates post training distractions & priorities)

JUNIPER NETWORKS CERTIFICATION PROGRAM FRAMEWORK



JUNIPER NETWORKS CURRICULUM— SERVICE PROVIDER ROUTING AND SWITCHING

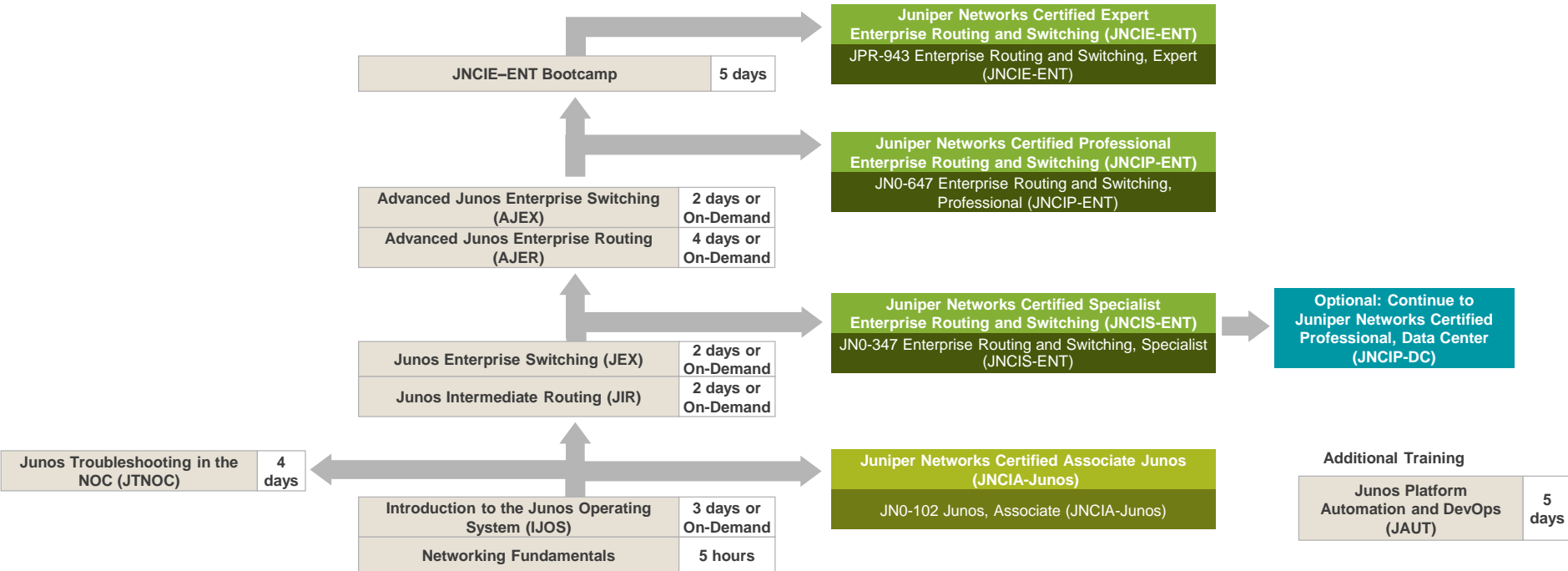


Notes: *Not required training for the JN0-662 exam. Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— ENTERPRISE ROUTING AND SWITCHING

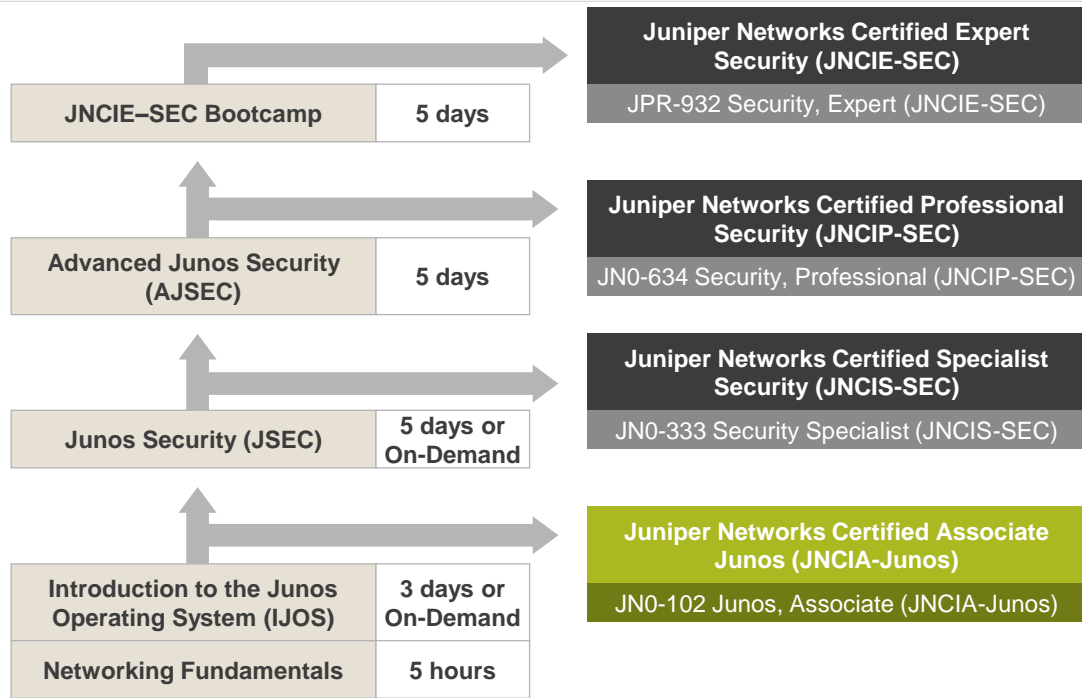
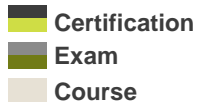


Certification
 Exam
 Course



Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

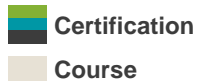
JUNIPER NETWORKS CURRICULUM— SECURITY



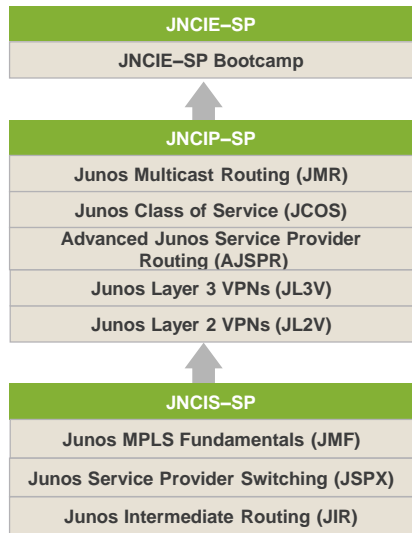
Additional Training	
Juniper Networks Design—Security (JND-SEC)	5 days
Junos Space—Security Director (JS-SD)	2 days
Implementing Juniper Networks Secure Analytics (IJSA)	3 days
Configuring Steel-Belted Radius Carrier (CSBR)	2 days

Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

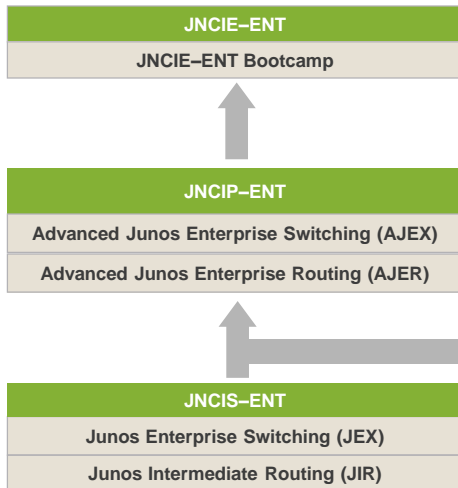
JUNIPER NETWORKS— JUNOS-BASED CURRICULUM



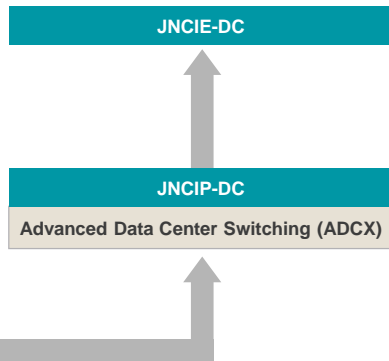
Service Provider Routing & Switching



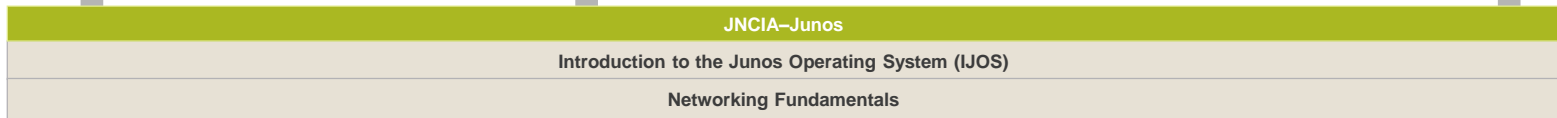
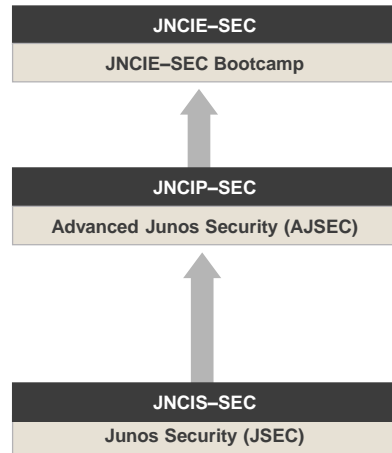
Enterprise Routing & Switching



Data Center

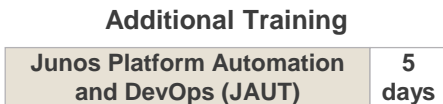
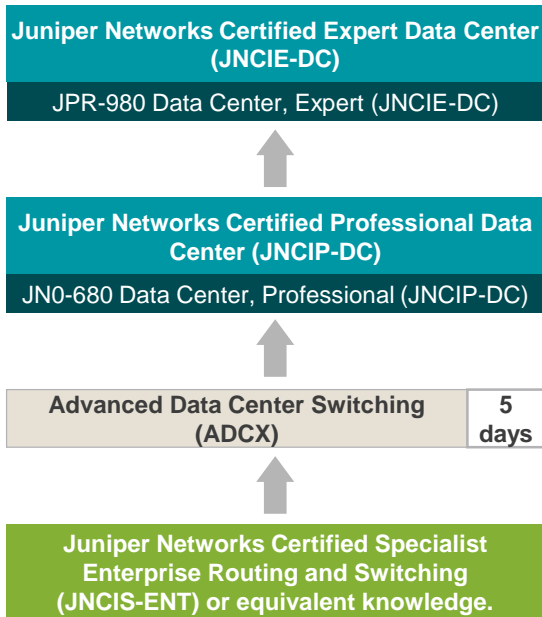
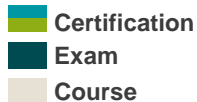


Junos Security



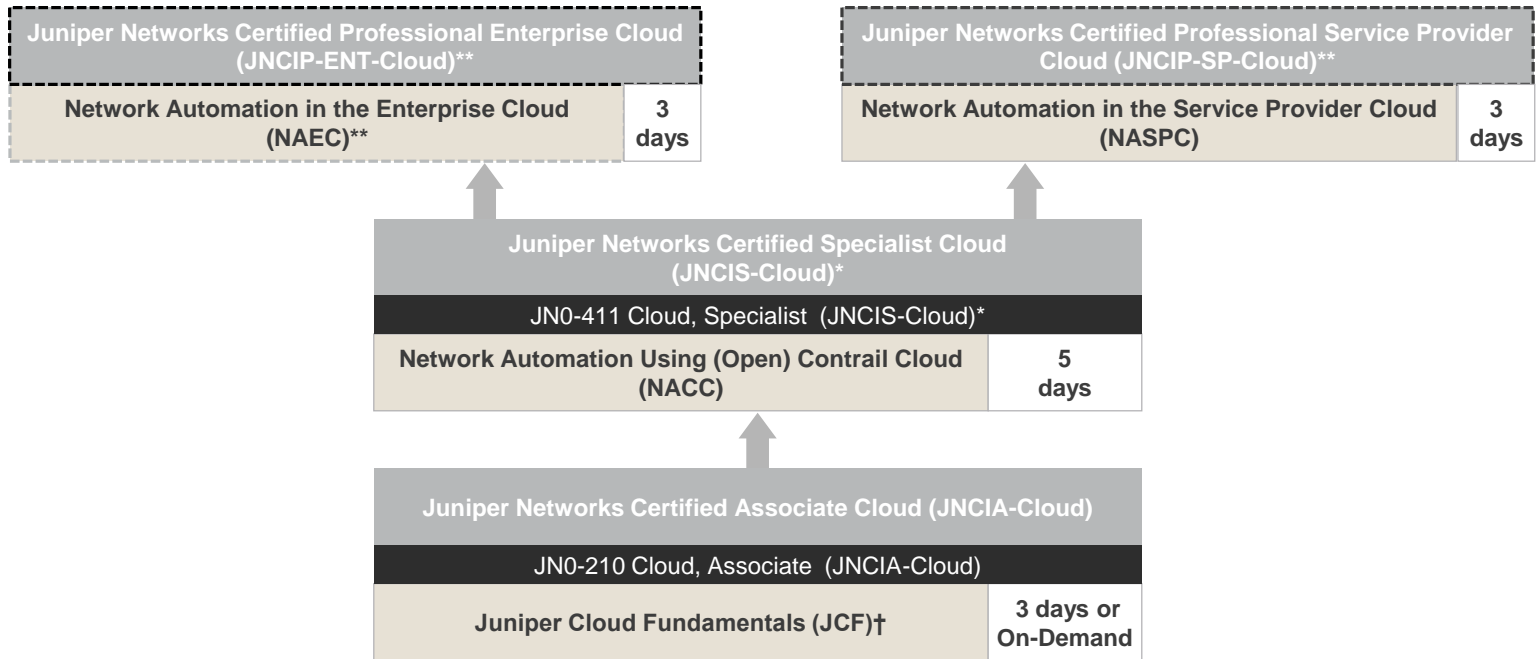
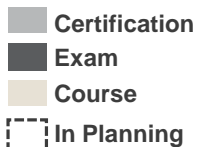
Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— DATA CENTER



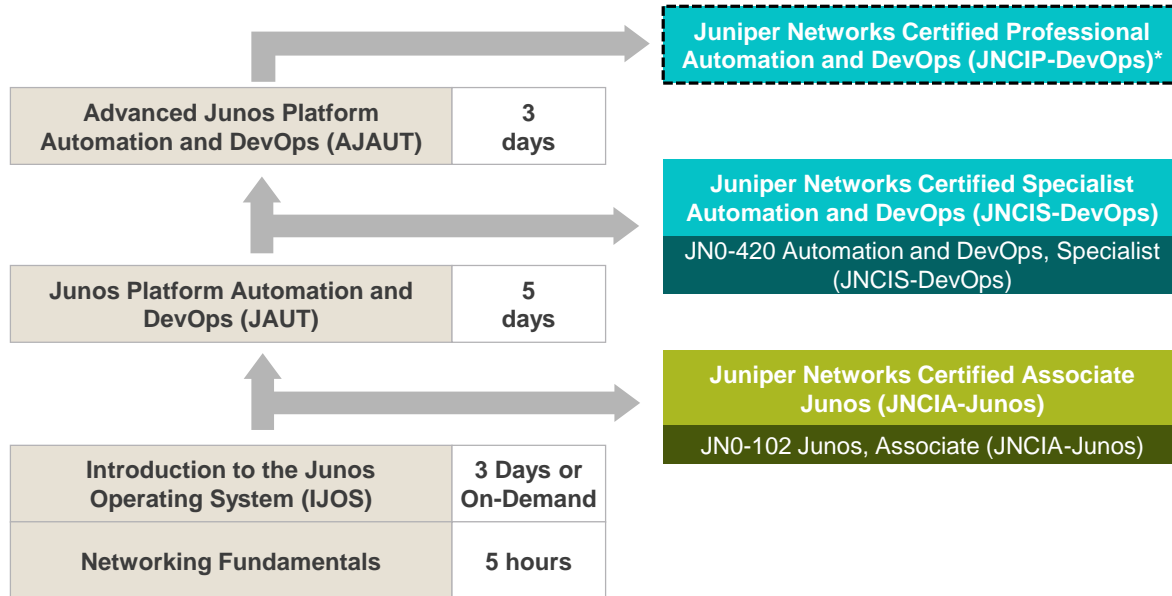
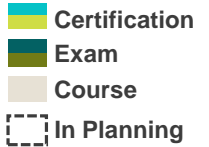
Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— CLOUD



Notes: * Formerly known as Juniper Networks Certified Specialist – SDN and Automation (JNCIS-SDNA). **NAEC is in planning however the current version of the course, [Network Automation in the Data Center \(NA-DC\)](#) is available. †Attendance of the [Introduction to the Junos Operating System \(IJOS\)](#) course is strongly recommended prior to the JCF course. Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— AUTOMATION AND DEVOPS



Additional Automation Training

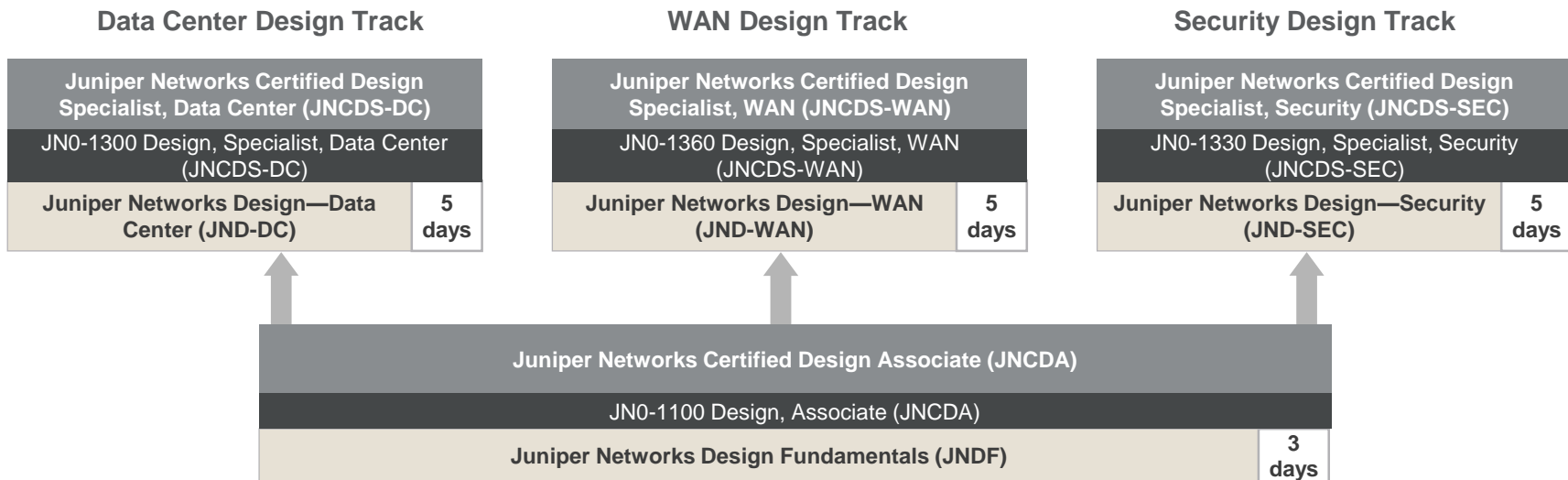
Network Automation Using (Open) Contrail Cloud (NACC)	5 days
Network Automation in the Enterprise Cloud (NAEC)	3 days
Network Automation in the WAN (NA-WAN)	3 days
Junos SDK Overview	2 hours
Junos as a Scripting Language	4 hours
Junos Space Essentials (JSE)	2 days
Junos Space Security Director (JS-SD)	2 days
Junos Space Network Director (JS-ND)	1 day
Juniper Learning Bytes	Varies

Notes: *In planning. Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— DESIGN



■ Certification
■ Exam
■ Course



Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— SUPPORT



Course

Junos Troubleshooting in the NOC (JTNOG)	4 days
Introduction to the Junos Operating System (IJOS)	3 days or On-Demand
Networking Fundamentals	5 hours

Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

JUNIPER NETWORKS CURRICULUM— PRODUCT-SPECIFIC TRAINING



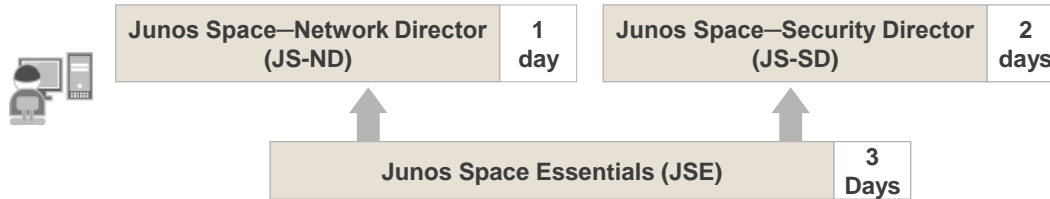
Training available for...

- Junos Space

JUNIPER NETWORKS CURRICULUM— JUNOS SPACE



Course



Related Courses

JA1500 Junos Space Appliance Installation and Initial Configuration	4 hours
Juniper Learning Bytes	Varies

Notes: Information current as of June 2018. Course and exam information (length, availability, content, etc.) is subject to change; refer to www.juniper.net/training for the most current information.

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