

PMN Code	Operator	MN C	MC C	OPCO Code	Country	Country Group	Network Rank
AFGTD	Roshan	412	20	ROSAF	Afghanistan	World Countries 1	Primary
AFGAW	AWCC	412	01	AWCAF	Afghanistan	World Countries 1	Secondary
ALBVF	Vodafone	276	02	VFAL	Albania	Vodafone Countries Rest of World	Primary
AIACW	Lime	365	840	CAWAI	Anguilla, St. Kitts & Nevis, Anguilla, Montserrat, St. Lucia, St. Vincent & Grenadines, Turks & Caicos, Antigua & Barbuda, Jamaica, Virgin Islands (British), Cayman Islands, Barbados, Grenada and Dominica.	World Countries 1	Primary
ARGCM	Claro	722	310	CLRAR	Argentina	World Countries 1	Primary
ARGTP	Telecom Personal	722	34	PSNAR	Argentina	World Countries 1	Secondary
ARM05	VivaCell	283	05	MTSAM	Armenia	World Countries 1	Primary
ARMOR	Orange	283	10	ORGAM	Armenia	World Countries 1	Secondary
ABWSE	Setar GSM	363	01	SETAW	Aruba	World Countries 1	Primary
JAMDC	Digicel	338	050	DGCJM	Aruba, Anguilla, Antigua & Barbuda, Barbados, Bermuda, Cayman Islands, Dominica, Grenada, Haiti, Jamaica, Jamaica, Samoa, St. Kitts and Nevis, St. Lucia, St. Vincent & Grenadines, Turks & Caicos, Virgin Islands (British)	World Countries 1	Secondary
AUSVF	Vodafone	505	03	VFAU	Australia	Vodafone Countries Rest of World	Primary
AUTPT	Mobilkom	232	01	MOBAT	Austria	European Countries	Primary
AUTCA	Orange	232	05	ONEAT	Austria	European Countries	Secondary
AZEBC	Bakcell	400	02	BAKAZ	Azerbaijan	World Countries 1	Primary
AZEAC	Azercell	400	01	AZCAZ	Azerbaijan	World Countries 1	Secondary
BHRBT	Batelco	426	01	BATBH	Bahrain	World Countries 1	Primary
BHRMV	Zain BH	426	02	VFBH	Bahrain	World Countries 1	Secondary
BGDAK	Robi	470	02	ROBBD	Bangladesh	World Countries 1	Primary
BGDGP	GrameenPhone	470	01	GRABD	Bangladesh	World Countries 1	Secondary

BELTB	Proximus	206	01	PRXBE	Belgium	European Countries	Primary
BELMO	Mobistar	206	10	MSTBE	Belgium	European Countries	Secondary
BENSP	Spacetel	616	03	SPTBJ	Benin	World Countries 1	Primary
BEN02	Moov	616	02	TCLBJ	Benin	World Countries 1	Secondary
BMUBD	CellOne	350	000	C1BM	Bermuda	World Countries 1	Primary
BIHPT	BH Telecom	218	90	BHTBA	Bosnia and Herzegovina	World Countries 2	Primary
BIHMS	mtel	218	05	MBSBA	Bosnia and Herzegovina	World Countries 2	Secondary
BWAGA	Mascom	652	01	MSCBW	Botswana	World Countries 2	Primary
BWAVC	Orange	652	02	ORGBW	Botswana	World Countries 2	Secondary
BRACL	Claro	724	5	CLRBR	Brazil	World Countries 1	Primary
BRABT	Oi	724	16	OIBR	Brazil	World Countries 1	Secondary
BRATM	Oi	724	31	OIBR	Brazil	World Countries 1	Secondary
BRNDS	DST	528	11	DSTBN	Brunei Darussalam	World Countries 1	Primary
BRNBR	B-Mobile	528	02	BMCBN	Brunei Darussalam	World Countries 1	Secondary
BGR01	M-Tel	284	01	MTLBG	Bulgaria	European Countries	Primary
BGRCM	Globul	284	05	GLOBG	Bulgaria	European Countries	Secondary
KHMGM	Cellcard	456	01	CAMKH	Cambodia	World Countries 1	Primary
KHMSM	SmartMobile	456	02	SMRKH	Cambodia	World Countries 1	Secondary
CANTS	Telus	302	220	TLSCA	Canada	World Countries 1	Primary
CANBM	Bell Mobility	302	610	BELCA	Canada	World Countries 1	Secondary
CAFAT	Moov	623	01	ATQCF	Central African Republic	World Countries 1	Primary
TCDCT	Airtel	622	01	ZAITD	Chad	World Countries 1	Primary
TCDML	Tigo	622	03	TIGTD	Chad	World Countries 1	Secondary
CHLMV	Entel	730	01	ENTCL	Chile	World Countries 1	Primary
CHLSM	Claro	730	03	CLRCL	Chile	World Countries 1	Secondary
CHNCU	China Unicom	460	01	UNCCN	China	World Countries 1	Primary
CHNCT	China Mobile	460	00	CMOCN	China	World Countries 1	Secondary
COLCM	Claro	732	101	CLRCO	Colombia	World Countries 1	Primary
COLCO	Tigo	732	111	TIGCO	Colombia	World Countries 1	Secondary
COGCT	CelTel	629	01	ZAICG	Congo, (Brazzaville)	World Countries 1	Primary
CRICL	Claro	712	03	CLRCR	Costa Rica	World Countries 1	Primary
CRITC	Movistar	712	04	MVSCR	Costa Rica	World Countries 1	Secondary
HRVVI	VIPnet	219	10	VIPHR	Croatia	European Countries	Primary

HRVT2	Tele2	219	02	T2HR	Croatia	European Countries	Secondary
ANTCT	Digicel	362	69	DGCNL	Curacao	World Countries 1	Primary
CYPCT	Cytamobile-Vodafone	280	01	CYTCY	Cyprus	European Countries	Primary
CYPSC	MTN	280	10	MTNCY	Cyprus	European Countries	Secondary
CZECM	Vodafone	230	03	VFCZ	Czech Republic	Vodafone Countries Europe	Primary
CZEET	O2	230	02	TO2CZ	Czech Republic	Vodafone Countries Europe	Secondary
CODVC	Vodacom, Congo	630	01	VFCD	Democratic Republic of Congo	World Countries 1	Primary
CODOR	Orange_CongoDRC	630	86	ORGCD	Democratic Republic of Congo	World Countries 1	Secondary
DNKTD	TDC	238	01	TDCDK	Denmark	European Countries	Primary
DNKDM	Telenor	238	02	TNRDK	Denmark	European Countries	Secondary
DOMCL	Claro	370	02	CLRDO	Dominican Republic	World Countries 1	Primary
DOM01	Orange	370	01	ORGDM	Dominican Republic	World Countries 1	Secondary
ECUPG	Conecel	740	01	CONEC	Ecuador	World Countries 1	Primary
ECUOT	Movistar	740	00	MOVEC	Ecuador	World Countries 1	Secondary
EGYMS	Vodafone	602	02	VFEG	Egypt	World Countries 1	Primary
EGYAR	MobiNil	602	01	MNLEG	Egypt	World Countries 1	Secondary
SLVTP	Claro	706	01	CLRSV	El Salvador	World Countries 1	Primary
SLVDC	Digicel	706	02	DGCSV	El Salvador	World Countries 1	Secondary
ESTRE	Elisa	248	02	ELIEE	Estonia	European Countries	Secondary
ESTRB	Tele2	248	03	T2EE	Estonia	European Countries	Primary
FROKA	Vodafone	288	02	VFFO	Faroe Islands	World Countries 1	Primary
FJIVF	Vodafone	542	01	VFFJ	Fiji	World Countries 1	Secondary
FJIDP	Digicel	542	02	DGCFJ	Fiji and Nauru	World Countries 1	Primary
FINRL	Elisa	244	05	ELIFI	Finland	European Countries	Primary
FIN2G	DNA	244	12	DNAFI	Finland	European Countries	Secondary
FRAF2	SFR	208	10	SFRFR	France	European Countries	Secondary
FRAF1	Orange	208	01	ORGFR	France	European Countries	Primary
FRAF4	Digicel	340	20	DGCMQ	French Guiana, Guadeloupe, Martinique, St. Barth and St.Martin	World Countries 1	Primary
PYFVF	Vodafone	547	15	VFPK	French Polynesia	World Countries 2	Primary
FRATK	VINI	547	20	VINPF	French Polynesia	World Countries 2	Secondary
GABCT	Airtel	628	03	ZAIGA	Gabon	World Countries 1	Primary
GABTL	Moov	628	02	ATQGA	Gabon	World Countries 1	Secondary

GEOMA	Magticom	282	02	MAGGE	Georgia	World Countries 1	Primary
DEUD2	Vodafone	262	02	VFDE	Germany	Vodafone Countries Europe	Primary
DEUE2	O2	262	07	O2DE	Germany	Vodafone Countries Europe	Secondary
GHAGT	Vodafone	620	02	VFGH	Ghana	Vodafone Countries Rest of World	Primary
GHASC	MTN	620	01	MTNGH	Ghana	Vodafone Countries Rest of World	Secondary
GIBGT	Gibtel	266	01	GIBGI	Gibraltar	World Countries 1	Primary
GRCPF	Vodafone	202	05	VFGR	Greece	Vodafone Countries Europe	Primary
GRCSH	Wind	202	10	WINGR	Greece	Vodafone Countries Europe	Secondary
GLP01	Orange	340	01	ORGGP	Guadeloupe	World Countries 1	Secondary
USAPU	mPulse	310	140	MPLUS	Guam	World Countries 1	Primary
GUMHT	Docomo Pacific	310	470	NDOGU	Guam	World Countries 1	Secondary
GTMSC	Claro	704	01	CLRGT	Guatemala	World Countries 1	Primary
GTMCM	Tigo	704	02	TIGGT	Guatemala	World Countries 1	Secondary
GINAG	Areeba	611	04	MTNGN	Guinea	World Countries 2	Primary
GNBSB	MTN Areeba	632	02	MTNGW	Guinea-Bissau	World Countries 2	Primary
GUYGT	Cellink Plus	738	02	CLLY	Guyana	World Countries 1	Primary
GUYUM	Digicel	738	01	DGCGY	Guyana	World Countries 1	Secondary
HTIHT	Natcom	372	03	NATHT	Haiti	World Countries 1	Primary
HNDME	Claro	708	001	CLRHN	Honduras	World Countries 1	Primary
HKGH3		3 454	03	H3HK	Hong Kong	World Countries 1	Primary
HKGSM	SmarTone	454	06	SMAHK	Hong Kong	World Countries 1	Secondary
HUNVR	Vodafone	216	70	VFHU	Hungary	Vodafone Countries Europe	Primary
HUNH1	Telenor	216	01	TNRHU	Hungary	Vodafone Countries Europe	Secondary
ISLTL	Vodafone	274	02	VFIS	Iceland	World Countries 1	Primary
ISLNO	Nova	274	11	NOVIS	Iceland	World Countries 1	Secondary
INDE1	Vodafone	404	11	VFIN	India (Delhi)	Vodafone Countries Rest of World	Primary
IDNTS	Telkomsel	510	10	TELID	Indonesia	World Countries 1	Primary
IDNSL	Indosat	510	01	IDSID	Indonesia	World Countries 1	Secondary
IRLEC	Vodafone	272	01	VFIE	Ireland	Vodafone Countries Europe	Primary
IRLDF	O2	272	02	O2IE	Ireland	Vodafone Countries Europe	Secondary
GBRMT	Manx Telecom	234	58	MXUK	Isle of Man	World Countries 1	Primary
ISR01	Orange	425	01	ORGIL	Israel	World Countries 1	Primary
ISRPL	Pelephone	425	03	PELIL	Israel	World Countries 1	Secondary

ITAOM	Vodafone	222	10	VFIT	Italy, San Marino and Vatican	Vodafone Countries Europe	Primary
ITASI	TIM	222	01	TIMIT	Italy, San Marino and Vatican	Vodafone Countries Europe	Secondary
JPNJP	Softbank	440	20	JFNJP	Japan	World Countries 1	Primary
JPNDO	NTT DoCoMo	440	10	NDOJP	Japan	World Countries 1	Secondary
GBRAJ	Airtel-Vodafone	234	03	AVFJE	Jersey and Guernsey	World Countries 1	Primary
JORFL	Zain	416	01	ZAIJO	Jordan	World Countries 1	Primary
JORMC	Orange	416	77	MBCJO	Jordan	World Countries 1	Secondary
KAZ77	Tele 2	401	77	T2KZ	Kazakhstan	World Countries 2	Primary
KAZKZ	KCell	401	02	KCEKZ	Kazakhstan	World Countries 2	Secondary
KENSA	Safaricom	639	02	SAFKE	Kenya	World Countries 1	Primary
KENKC	Airtel	639	03	ATLKE	Kenya	World Countries 1	Secondary
KORSK	SK Telecom	450	05	SKTKR	Korea, Republic Of	World Countries 1	Primary
KORKF	KT Freetel	450	08	OKTKR	Korea, Republic Of	World Countries 1	Secondary
KWTMT	Zain	419	02	VFKW	Kuwait	World Countries 1	Primary
KWTNM	Wataniya	419	03	WATKW	Kuwait	World Countries 1	Secondary
LVABT	Bite Latvija	247	05	BITLV	Latvia	European Countries	Primary
LVABC	Tele2	247	02	T2LV	Latvia	European Countries	Secondary
LSOVL	VODACOM	651	01	VFLS	Lesotho	Vodafone Countries Rest of World	Primary
LIEMK	Mobilkom	295	05	MOBLI	Liechtenstein	European Countries	Secondary
LTUMT	Bite GSM	246	02	BITLT	Lithuania	European Countries	Secondary
LTU03	Tele 2	246	03	T2LT	Lithuania	European Countries	Primary
LUXTG	Tango	270	77	TANLU	Luxembourg	European Countries	Primary
LUXVM	Orange	270	99	VOXLU	Luxembourg	European Countries	Secondary
MACSM	SmarTone	455	00	SMAMC	Macau	World Countries 1	Primary
MACCT	CTM	455	01	CTMMO	Macau	World Countries 1	Secondary
MKDNO	Vip operator	294	03	VIPMK	Macedonia, The Former Yugoslav Republic of	World Countries 1	Primary
MDGCO	Airtel	646	01	ATLMG	Madagascar	World Countries 1	Primary
MDGTM	Telma Mobile	646	04	TLMMG	Madagascar	World Countries 1	Secondary
MWICT	Airtel	650	10	ZAIMW	Malawi	World Countries 1	Primary
MWICP	TNM	650	01	TNMMW	Malawi	World Countries 1	Secondary
MYSKC	Celcom	502	13	CELMY	Malaysia	World Countries 1	Primary
MYSBC	Maxis Mobile	502	12	MAXMY	Malaysia	World Countries 1	Secondary

MLTTL	Vodafone	278	01	VFMT	Malta	Vodafone Countries Europe	Primary
MLTMM	Melita Mobile Ltd.	278	77	MLTMT	Malta	Vodafone Countries Europe	Secondary
MUSEM	Emtel	617	10	EMTMU	Mauritius	World Countries 2	Primary
MUSMT	MTML	617	03	MTMMU	Mauritius	World Countries 2	Secondary
MEXTL	Telcel	334	020	TCLMX	Mexico	World Countries 1	Primary
MEXMS	Movistar	334	030	MVSMX	Mexico	World Countries 1	Secondary
MDAUN	Unité	259	05	UNIMD	Moldova	World Countries 2	Primary
MDAVX	Orange	259	01	ORGMD	Moldova	World Countries 2	Secondary
MNGMN	Unitel	428	88	UTLMN	Mongolia	World Countries 1	Primary
MNGMC	MobiCom	428	99	MCMMN	Mongolia	World Countries 1	Secondary
MNEPM	Telenor	297	01	TNRME	Montenegro	World Countries 1	Primary
MNEMT	Mtel	297	03	MTEME	Montenegro	World Countries 1	Secondary
MOZVC	Vodacom	643	04	VFMZ	Mozambique	Vodafone Countries Rest of World	Primary
NLDLT	Vodafone	204	04	VFNL	Netherlands	Vodafone Countries Europe	Primary
ANTTC	TelCell	362	51	TLCAN	Netherlands Antilles	World Countries 2	Primary
NZLBS	Vodafone	530	01	VFNZ	New Zealand	World Countries 1	Primary
NICEN	Claro	710	21	CLRNI	Nicaragua	World Countries 1	Primary
NICMS	Movistar	710	30	MVSNi	Nicaragua	World Countries 1	Secondary
NERCT	Airtel	614	02	ZAINE	Niger	World Countries 1	Primary
NERTL	Moov	614	03	TCLNE	Niger	World Countries 1	Secondary
NGAMN	MTN	621	30	MTNNG	Nigeria	World Countries 1	Primary
NGAET	Airtel	621	20	ZAING	Nigeria	World Countries 1	Secondary
NORTM	Telenor	242	01	TNRNO	Norway, Svalbard and Jan Mayen Islands.	European Countries	Primary
PAKTP	Telenor	410	06	TNRPK	Pakistan	World Countries 1	Primary
PSEJE	Jawwal	425	05	JWLPS	Palestinian Authority	World Countries 1	Secondary
PANCL	Claro	714	03	CLRPA	Panama	World Countries 1	Primary
PANCW	Cable & Wireless	714	01	CAWPA	Panama	World Countries 1	Secondary
PNGDP	Digicel	537	03	DGCPG	Papua New Guinea	World Countries 1	Primary
PNGPM	bmobile	537	01	BMOPG	Papua New Guinea	World Countries 1	Secondary
PRYHT	Claro	744	02	CLRPY	Paraguay	World Countries 1	Primary
PRYTC	Airtel	744	04	TIGPY	Paraguay	World Countries 1	Secondary
PERN3	Nextel	716	17	NEXPE	Peru	World Countries 1	Primary

PERTM	Claro	716	10	CLAPE	Peru	World Countries 1	Secondary
PHLSR	SMART Gold	515	03	SMPH	Philippines	World Countries 1	Primary
PHLGT	Globe	515	02	GLOPH	Philippines	World Countries 1	Secondary
POLKM	Plus	260	01	POLPL	Poland	European Countries	Primary
POL03	Orange	260	03	ORGPL	Poland	European Countries	Secondary
PRTTL	Vodafone	268	01	VFPT	Portugal	Vodafone Countries Europe	Primary
PRTTM	TMN	268	06	TMNPT	Portugal	Vodafone Countries Europe	Secondary
PRICL	Claro	330	110	CLRPR	Puerto Rico	World Countries 1	Secondary
QATB1	Vodafone	427	02	VFQA	Qatar	World Countries 1	Primary
FRARE	SRR	647	10	SRRRE	Reunion	World Countries 1	Primary
REUOT	Outremer	647	02	OTRRE	Reunion	World Countries 1	Secondary
ROMMF	Vodafone	226	01	VFRO	Romania	Vodafone Countries Europe	Primary
ROMMR	Orange	226	10	ORGRO	Romania	Vodafone Countries Europe	Secondary
RUS01	MTS	250	01	MTSRU	Russian Federation	World Countries 1	Primary
RUSNW	Megafon	250	02	MEGRU	Russian Federation	World Countries 1	Secondary
RWATG	Tigo	635	13	TIGRW	Rwanda	World Countries 1	Primary
RWAAR	Airtel	635	14	ATLRW	Rwanda	World Countries 1	Secondary
WSMDP	Digicel	549	01	DGCWS	Samoa	World Countries 1	Primary
SAUZN	Zain	420	04	ZAISA	Saudi Arabia	World Countries 1	Primary
SAUAI	STC Al Jawal	420	01	STCSA	Saudi Arabia	World Countries 1	Secondary
SENAZ	Orange	608	01	ORGSN	Senegal	World Countries 1	Secondary
SRBNO	VIP	220	05	VIPRS	Serbia	World Countries 1	Primary
YUGMT	Telenor	220	01	TNRRS	Serbia	World Countries 1	Secondary
SYCAT	Airtel	633	10	AIRSC	Seychelles	World Countries 1	Primary
SGPSH	StarHub	525	05	SHBSG	Singapore	World Countries 1	Primary
SGPST	SingTel	525	01	SINSG	Singapore	World Countries 1	Secondary
SVKGT	Orange	231	01	ORGSK	Slovakia	European Countries	Primary
SVKO2	O2_slovakia	231	06	O2SK	Slovakia	European Countries	Secondary
SVNSM	SI Mobil	293	40	VFSI	Slovenia	European Countries	Primary
SVNMT	Mobitel	293	41	MTLSI	Slovenia and Kosovo	European Countries	Secondary
SLBBM	BeMobile	540	02	BMOSB	Solomon Islands	World Countries 1	Primary
ZAFVC	Vodacom	655	01	VFZA	South Africa	Vodafone Countries Rest of World	Primary
ZAFMN	MTN	655	10	MTNZA	South Africa	Vodafone Countries Rest of World	Secondary

SSDZS	Zain	659	06	ZAIS	South Sudan	World Countries 1	Primary
ESPAT	Vodafone	214	01	VFES	Spain	Vodafone Countries Europe	Primary
ESPR	Orange	214	03	AMNES	Spain	Vodafone Countries Europe	Secondary
LKA71	Mobitel	413	01	MOTLK	Sri Lanka	World Countries 1	Primary
SURDC	Digicel	746	03	DGCSR	Suriname	World Countries 1	Primary
SWEEP	Telenor (Net4Mobility)	240	08	TNRSE	Sweden	European Countries	Secondary
SWEIQ	Tele 2 (Net4Mobility)	240	07	T2SE	Sweden	European Countries	Primary
CHEDX	Sunrise	228	02	SUNCH	Switzerland	European Countries	Secondary
CHEC1	Swisscom	228	01	SWCCH	Switzerland and Linchenstein	European Countries	Primary
TWNFE	Far EasTone	466	01	FETTW	Taiwan, Province of China	World Countries 1	Primary
TWNLD	Chunghwa	466	92	CNGTW	Taiwan, Province of China	World Countries 1	Secondary
TJKBM	Babilon Mobile	436	04	BBLTJ	Tajikistan	World Countries 2	Primary
TZAVC	Vodacom	640	04	VFTZ	Tanzania, United Republic of	Vodafone Countries Rest of World	Primary
THACA	Real Future	520	04	RFUTH	Thailand**	World Countries 1	Primary
THAWN	AIS	520	03	AWNTH	Thailand**	World Countries 1	Secondary
TGOTL	Moov	615	03	MOVTV	Togo	World Countries 1	Primary
TONDP	Digicel	539	88	DGCTO	Tonga	World Countries 1	Primary
TON01	U-call	539	01	UCLTO	Tonga	World Countries 1	Secondary
TTODL	Digicel	374	130	DGCTT	Trinidad and Tobago	World Countries 1	Primary
TURTS	Vodafone	286	02	VFTR	Turkey	Vodafone Countries Rest of World	Primary
TURIS	AVEA	286	03	AVETR	Turkey	Vodafone Countries Rest of World	Secondary
UGAMN	MTN	641	10	MTNUG	Uganda	World Countries 1	Primary
UGACE	Airtel	641	01	AIRUG	Uganda	World Countries 1	Secondary
UKRUM	MTS	255	01	MTSUA	Ukraine	World Countries 1	Primary
UKRAS	Life	255	06	LIFUA	Ukraine	World Countries 1	Secondary
AREDU	du	424	03	DUAE	United Arab Emirates	World Countries 2	Primary
GBRVF	Vodafone	234	15	VFUK	United Kingdom	Vodafone Countries Europe	Primary
GBRCN	O2	234	10	O2UK	United Kingdom	Vodafone Countries Europe	Secondary
USAW6	T-Mobile	310	260	TMBUS	United States	World Countries 1	Primary
USAUN	Union Telephone Company	310	020	UNIUS	United States	World Countries 1	Secondary
URYAN	Ancel	748	01	ANCUY	Uruguay	World Countries 1	Primary
URYAM	Claro	748	10	CLRUY	Uruguay	World Countries 1	Secondary
UZBDU	Beeline	434	04	BLNUZ	Uzbekistan	World Countries 1	Primary

UZB07	UMS	434	07	UMSUZ	Uzbekistan	World Countries 1	Secondary
VUTDP	Digicel	541	05	DGCVU	Vanuatu	World Countries 1	Primary
VENMS	Movistar	734	04	MOVVE	Venezuela	World Countries 1	Primary
VENMV	Movilnet	734	06	MVNVE	Venezuela	World Countries 1	Secondary
YEMSP	MTN	421	02	SPTYE	Yemen	World Countries 2	Primary
YEMSA	Sabafon	421	01	SBFYE	Yemen	World Countries 2	Secondary
ZMBCE	Airtel	645	01	ZAIZM	Zambia	World Countries 1	Primary
ZMB02	MTN	645	02	MTNZM	Zambia	World Countries 1	Secondary

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